CONESTOGA-ROVERS
& ASSOCIATES

9033 Meridian Way, West Chester, Ohio 45069
Telephone: 513-942-4750 Facsimile: 513-942-8585
www.CRAworld.com

November 28, 2006 Reference No. 045590

John Bucklin
GE Aviation
1 Neumann Way
MDT 165
Cincinnati, Ohio 45215

Dear Mr. Bucklin:

Re: State of Washington Department of Ecology Information Request
637 South Lucile Street
Seattle, Washington

Conestoga-Rovers & Associates (CRA) has conducted an archive file review at the General Electric Aviation (GE Aviation) Cincinnati, Ohio office. The purpose of the file review is to assist GE Aviation in compiling information concerning the property at 637 South Lucile Street, Seattle, Washington per a request from the State of Washington Department of Ecology (Ecology). General Electric Aircraft Engines (GEAE) occupied the Lucile Street property from 1983 through 1994 for the manufacture of aircraft parts. The property is referred to herein as GEAE Plant 2.

Ecology has requested specific information regarding this property under Washington's Administrative Code 173-340-130(2-3), *information exchange and sharing* for the time period of 1983 through 1994. As stated in Ecology's letter submitted to GEAE dated October 9, 2006, a hazardous waste permit was issued to a waste treatment and storage facility located at 734 South Lucile Street, now owned by Philip Services Corporation (PSC). The permit included requirements for the facility's owner/operator to perform environmental investigations associated with releases from the facility, and to clean up contaminated media potentially posing unacceptable risks to human health or the environment. These requirements in the permit, described as RCRA Corrective Action requirements, were then carried out under the oversight of the United States Environmental Protection Agency (U.S. EPA).

PSC's permit expired in August of 2001 and U.S. EPA subsequently transferred oversight of the Corrective Action portion of the permit to Ecology in March of 2002. Since that time the expired permit has remained in force, and has been modified but not replaced. PSC completed closure of its waste treatment and storage facility in August of 2003. It is now Ecology's intent to replace the PSC permit's Corrective Action groundwater cleanup requirements with requirements contained in a Model Toxics Control Act (MTCA) Order. According to the letter, Ecology is now evaluating properties with known or potential environmental contamination

within the general "affected area" downgradient of the PSC waste treatment and storage facility.

Attached to this letter is CRA's response to each item listed on the Site Assessment Information Request provided by Ecology (reproduced in italics). Additional attachments to this letter that support the responses are as follows:

- Attachment A: Ecology's October 9, 2006 letter and Site Assessment Information Request;
- Attachment B: Historical Land Use Review;
- Attachment C: Surrounding Land Use Questionnaire;
- Attachment D: Material Safety Data Sheet Summary;
- Attachment E: Purchased Chemical History;
- Attachment F: List of Wastes and By-Products;
- Attachment G: Facility History;
- Attachment H: Copies of Generator Annual Dangerous Waste Reports;
- Attachment I: METRO Compliance History Summary;
- Attachment J: Drilling and Soil Remediation Programs and Laboratory Analytical Results; and
- Attachment K: Asbestos Assessment.

The responses provided have been compiled from Phase I Environmental Site Assessments (ESAs) prepared by Dames & Moore, Inc. (Dames & Moore) dated March 4, 1994 and February 25, 1995, and additional archived files located at the GEAE Cincinnati, Ohio office. CRA relied on information available as accurate and asserts that the information provided herein may be incomplete as it only reflects information ascertainable from the files.

Should you have any questions on the above, please do not hesitate to contact me at (513) 942-4750.

Yours truly,

CONESTOGA-ROVERS & ASSOCIATES

Lorie A. Brengelman

CONESTOGA-ROVERS
& ASSOCIATES

LB/AV/01
Encl.

c.c. Susanne Herald (GE Aviation)
Stephen Hill (GE Aviation)
Ashley Valentine (CRA)

1. *PROVIDE THE FOLLOWING BACKGROUND INFORMATION:*

- *Facility name and address at the time of your ownership/interest:*

  GEAE Plant 2
  637 S. Lucile Street
  Seattle, Washington

- *Facility owner/operator name, title, address, and phone number:*

  Operator:

  GEAE (at the time of GEAE's occupancy of the facility)
  One Neumann Way
  Cincinnati, Ohio 45215

- *Property owner's name, and current address and phone number:*

  Equitable Real Estate
  Current address and phone number unknown.

- *Use of site at the time of your ownership/interest:*

  Site was leased by GEAE from 1981 through 1994 for the manufacture of aircraft parts.

- *Past use of site: include all you know about previous owners and users of site, and associated dates:*

  1929-1976- Residential
  1976-1983- Lile Moving & Storage
  International Freight Forwarders
  1978-1981- Robbins Company (tunnel boring and drilling equipment)
  1981-1983- GEAE (south half of building) Lile Moving & Storage and International Freight Forwarders (north half)
  1983-1994- GEAE (entire building)

  A Historical Land Use Review based on historical aerial photographs and topographic maps reviewed by Dames & Moore is included in Attachment B. Attachment C includes a Draft Surrounding Land Use Questionnaire prepared by Dames & Moore.

- *Size of site (in acres or square feet):*

  2.2 acres with a single building comprising 45,160 square feet of floor space.

- *Site security (is site completely or partially fenced, patrolled, etc.?)*

  No fencing or perimeter protection was present.

- *Land uses immediately surrounding the site boundaries (e.g., site is surrounded by agricultural or commercial land, homes to north, etc.) at the time of your ownership/interest:*

  In 1983, areas to the north, northeast, and east were commercially or industrially developed. To the south and southwest, the area was developed with a mixture of industrial and residential structures. In 1985 land use to the north of S. Lucile Street was predominately light industrial and warehouses with an occasional residence. To the north of the property across S. Lucile Street was a one-story office building with an attached warehouse in back and a residence. Sayne-Drew/Ashe & Jones (SDA&J) was located 200 feet to the northeast of the site across Denver Avenue South. Multiple drums were stored to the north of the SDA&J building within a fenced area. Files reviewed did not indicate what type of business SDA&J operated.

  Chas-Lilly, a fertilizer manufacturing facility, was located approximately 700 feet north of the SDA&J building. To the east, Pacific Diesel Brake and Western Trailer Repair were located across 7th Avenue South. To the southeast and southwest were one-story office buildings with multiple tenants. J&D Machine and Gear, Inc., was located across Maynard Avenue South to the west of the site. A site plan is presented on Figure 1. Adjacent properties are depicted on Figure 2.

2. *PROVIDE A SITE MAP WITH THE FOLLOWING ITEMS IDENTIFIED:*

- *Building names and their functions (past and up through the period of your ownership/interest):*

  Figures available from the archive files are presented as an attachment to this letter and include the following:

  - Figure 1: Site Plan
  - Figure 2: Site Vicinity/Property Plan
  - Figure 3: Floor Plan (1983-1989)
  - Figure 4: Floor Plan (1989-1994)

- *During the period of your ownership/interest:*

    i. *All chemical and waste storage and disposal areas (building, ponds, landfills, piles, etc.); include inactive or abandoned areas.*

    ii. *Outside process areas, storage tanks, or waste treatment systems.*

    iii. *On-site wells (water supply, monitoring, dry wells, abandoned wells).*

Figure 3 depicts the location of the waste/flammable material storage area and the hazardous materials storage area for the years 1983-1989. Figure 4 depicts the location of the waste/flammable material storage area and hazardous waste staging area for the years 1989-1994. Figures 3 and 4 also designate process areas inside the facility. There were no outside process areas, storage tanks, waste treatment systems, or on-site wells depicted on any of the available diagrams of GEAE Plant 2. The Dames & Moore 1995 Phase I ESA states that, based on a review of local well logs on file with Ecology, no wells were known to be or had been present on the site property at that time.

3. *PROVIDE THE FOLLOWING CHEMICAL/WASTE HANDLING INFORMATION (for the period of your ownership/interest, as well as any information you have regarding operations conducted prior to this period):*

- *All chemicals used/stored at the site (solvents, pesticides, acids, bases, etc.). All waste products generated or stored at the site (waste solvents or oils, filter cake, spent plating solutions, metal grindings, etc.).*

The following attachments contain information regarding chemical use, storage, and disposal:

- Attachment D: Material Safety Data Sheet (MSDS) Summary
- Attachment E: Purchased Chemical History
- Attachment F: List of Wastes and By-Products -includes source, method of handling, and annual volume
- Attachment G: Facility History - summarizes waste shipments (highlighted)
- Attachment H: Copies of Generator Annual Dangerous Waste Reports for years 1985 through 1992

- *Approximate volumes of chemicals used and wastes generated per year, and maximum volume kept on-site.*

Please refer to the MSDS Summary (Attachment D) and the Purchased Chemical History (Attachment E) for information on the chemicals used at and purchased for the Plant 2 facility.

A summary total waste generation based on the facility's Generator Annual Dangerous Waste Report Form 4 Notifications is below for the years 1984 through 1994. Additional information regarding waste shipments is summarized in the Facility History presented in Attachment G.

Year	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	TOTAL
Total Waste Generated (Pounds)	0	6,100	24,159	0	7,559	25,942	11,652	4,860	5,637	4,420	12,416	102,745

- *Any on-site chemical or waste-treatment systems (flocculation/filtrations, incineration, chemical or physical treatment, volume reduction, etc.).*

  Page 2 of the Municipality of Metropolitan Seattle (METRO) Compliance History Summary included as Attachment I indicates the operation of a 2000 GPD Air Scrubber. No other references to this scrubber were found in the information available in the GEAE archive files.

- *Information on all past and present chemical and waste storage/disposal areas; include information on size, type, current or former contents, and condition of each.*

  Chemical storage areas (hazardous waste staging area, hazardous material storage area, and waste/flammable material storage area) are depicted on Figure 2. Below is a summary of chemical storage methods and locations. Specific information regarding materials and waste quantities associated with the waste storage/disposal areas was not available.

STORAGE METHOD	LOCATION	CHEMICAL(S)
Drums and Containers/Cans	Waste Accumulation Room	Solvents, acids, etc.
Drums	Waste Staging Area/Loading Dock	Solvents, acids, etc.
Cans	Flammable Storage Cabinets	Paints, thinners, etc.

- *Type, quantity, and destination of all wastes removed from site (i.e., metal wastes landfilled at county dump site, used solvents recycled by...).*

From 1985 to 1993, wastes were transported off site by trucks and treated/stored at Burlington Environmental, Inc., as outlined below. Wastes were stored and shipped in 55-gallon Department of Transportation (DOT) drums or labpacks. The final shipment of wastes, associated with the Plant 2 closure, occurred in June 1994.

COMPANY	NATURE OF WORK	Time Period
Amalgamated Services/Washington	Transporter	1985-1991
Resource Recovery Corporation/Washington	Transporter	1991-1993
Burlington Environmental/Washington	Treatment/Storage	1985-1994

Please see the Facility History included in Attachment G for information regarding waste shipments (highlighted entries). Copies of Generator Annual Dangerous Waste Reports for years 1985 through 1992 are included in Attachment H.

- *Any spills or other releases of hazardous substances that have occurred at the site during your operation or ownership.*

Based on Dames & Moore 1995 Phase I ESA, no reported spills existed in GEAE's or agency records during the period GEAE operated the site. Identified releases of petroleum hydrocarbons in certain areas and the remediation of these areas is discussed below.

- *Any information you have about hazardous substances used, stored, or released at the site by prior owners or operators.*

No information is available.

4. *PROVIDE THE FOLLOWING PERMIT INFORMATION:*

- *Identify all regulatory permits in force during the period of your interest/ownership (this should include expired permits still in force). For each, provide information on the type of permit (NPDES, RCRA Interim Status, etc.), regulating agency (federal, state, sewerage agency), and issue and expiration dates.*

The following tables identify permits that were referenced in the information available for review. No other information referencing permits was found in the files.

Permit	ID #	Issue Date	Expiration Date	Issuing Agency
RCRA Generator	WAD980725006	Unknown	Mar. 1, 1994	WA Dept. of Ecology
Air Emissions	28468	Feb. 15, 1991	Feb. 15, 1994	Puget Sound Air Pollution Control Agency (PSAPCA)
Hazardous Material Storage	Unknown	Unknown	1994	Seattle Fire Department
POTW Waste Water Discharge Permit	7211	Jan. 8, 1985	Apr. 24, 1991	Municipality of Metropolitan Seattle (METRO)

5. *PROVIDE THE FOLLOWING SAMPLING/CLEANUP INFORMATION:*

- *Describe all environmental sampling/monitoring performed at the site. Provide sampling results. Describe any soil excavations or removals, spill cleanups, groundwater treatment, etc., performed at site.*

Information contained in the files indicates the following sampling was conducted:

Soil Borings

Soil and hand auger borings were drilled at twelve different potential areas of concern both on-site and off-site between May 4, 1992 and September, 1994 (See Figure 5 in Attachment J). The locations and analyses conducted were selected based on Dames & Moore's understanding of GEAE's prior operations at the facility and visual observations of conditions. These potential areas of concern are identified on Table G-1 in Attachment J.

A summary of the laboratory analyses performed and the analytical results are summarized in Tables G-2 through G-5 of Attachment J. Field evidence and the analytical results indicated that concentrations of the detected compounds did not exceed the Washington Model Toxics Control Act (MCTA) method A cleanup levels for Volatile Organic Compound (VOC)s in soils specified at the sampling locations. Total Petroleum Hydrocarbons (TPH) cleanup levels in soils were exceeded in the punch press area, compressor area, and the former Kirk property.

Based on the results of the drilling and sampling program, GEAE removed soil from two areas where concentrations exceeded the MTCA method A cleanup level (See

Figures 5 and 7 in Attachment J). Soil from each excavation was transported off-site to a licensed treatment/disposal facility. Post-excavation soil sample analytical results indicated that concentrations of total petroleum hydrocarbons as oil did not exceed the MTCA method A soil cleanup levels. Please see Attachment J for further details regarding the drilling, soil remediation programs, and laboratory analytical results.

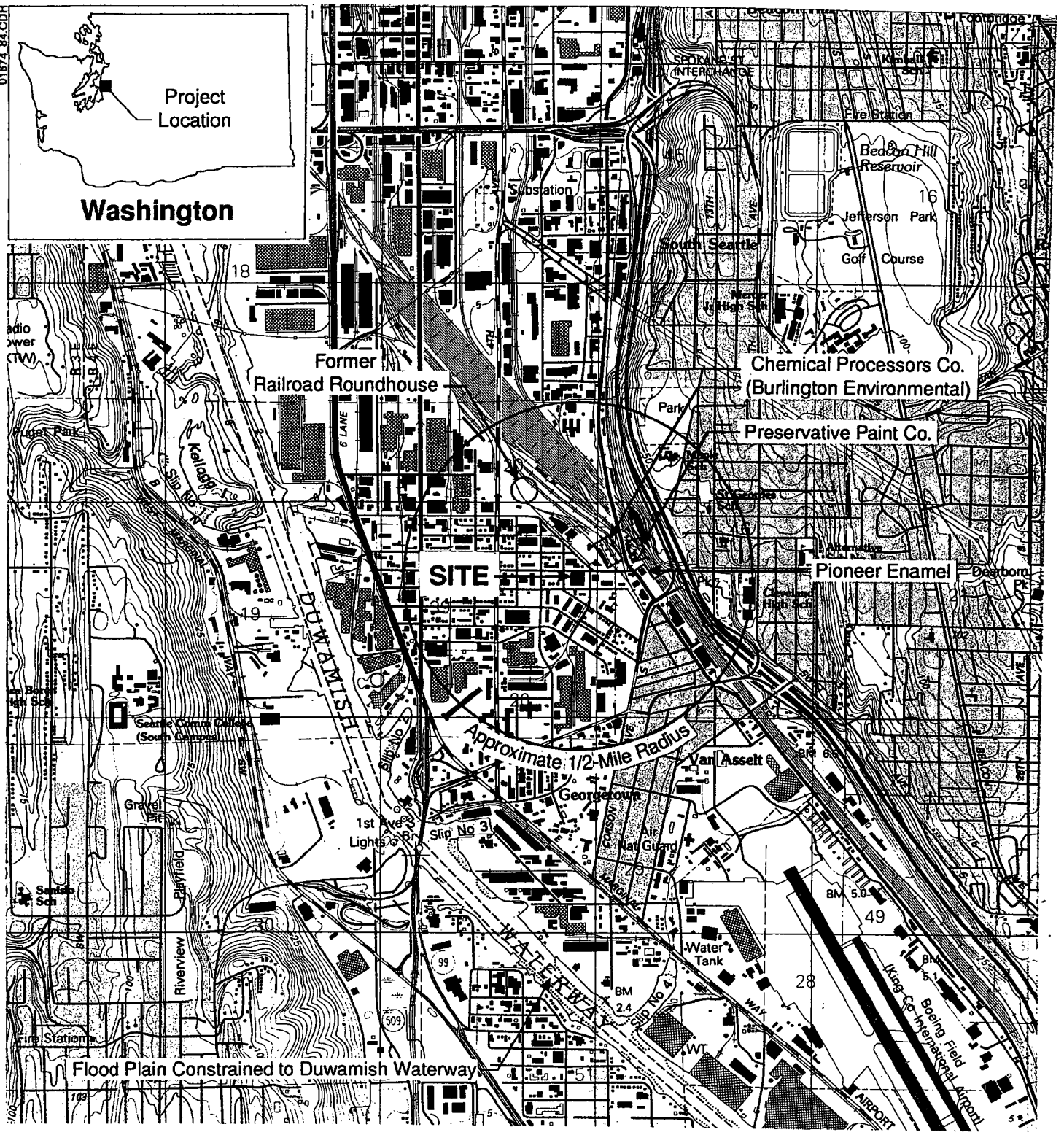
Self Monitoring

Self Monitoring Reports were submitted monthly to the Municipality of Metropolitan Seattle (METRO) under POTW permit #7211 from March, 1986 through April, 1991 (date permit was cancelled). Samples were collected from the Water Test Stand area depicted on Figure 4. The summary of the METRO Compliance History related to the site's waste water discharge permit is included in Attachment I.

Asbestos Assessment

An asbestos assessment was conducted by Dames & Moore to identify, locate, and assess the condition of asbestos-containing building materials (ACBM) at the GEAE Plant 2. The assessment identified friable and non-friable ACBMs, including gypsum drywall/joint compound, one type of vinyl sheet flooring, four types of vinyl floor tiles, and floor tile mastic. In addition, the building roofing material was assumed to contain asbestos. A copy of the Asbestos Assessment is included in Attachment K.

FIGURES



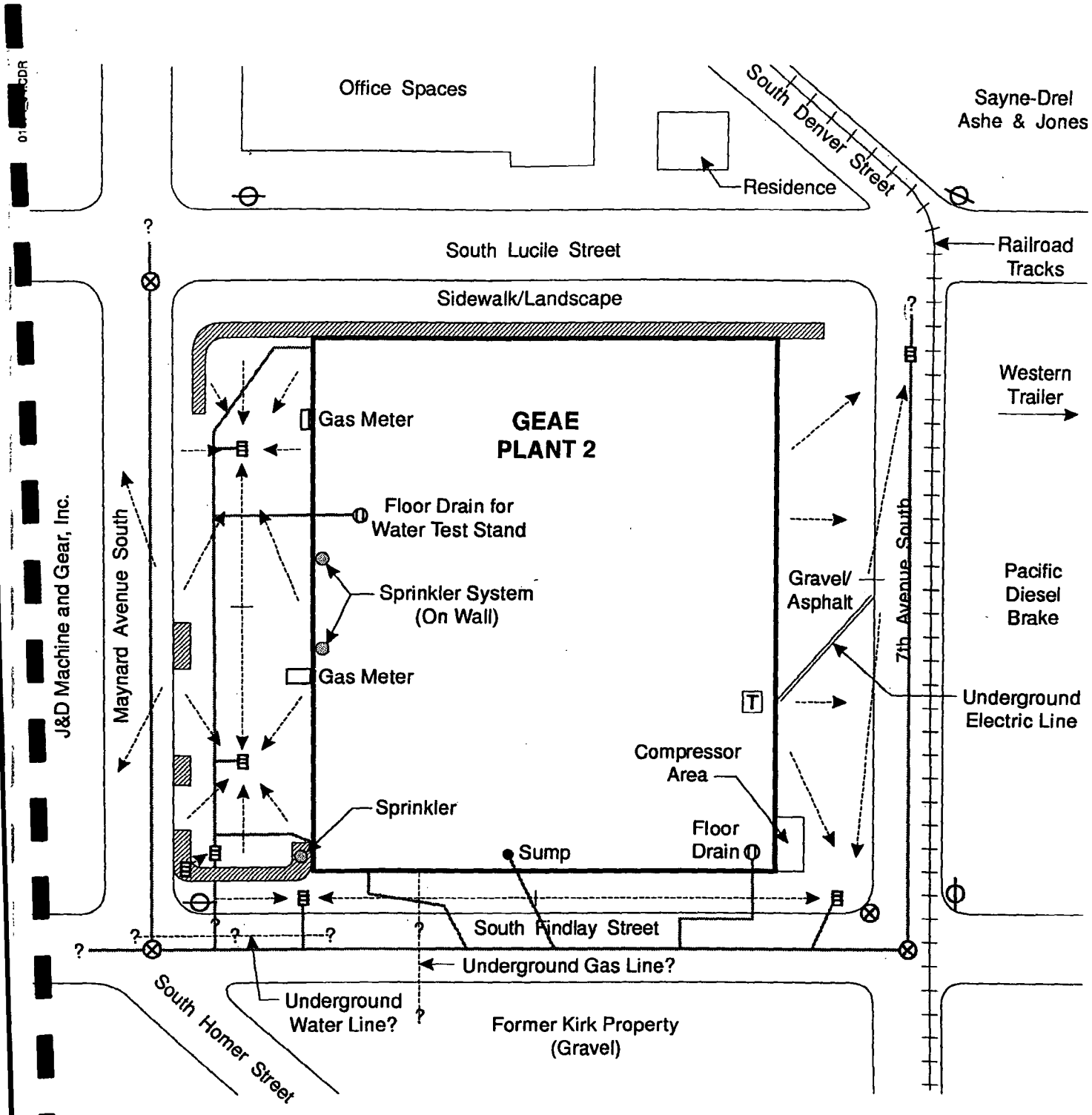
SOURCE: USGS 7.5-minute topographic-bathymetric quadrangle, Seattle South, Washington, dated 1983

SITE PLAN

Job No. 01674-991-005

DAMES & MOORE

Plant 2 - 637 South Lucille Street
General Electric Company
FIGURE 1



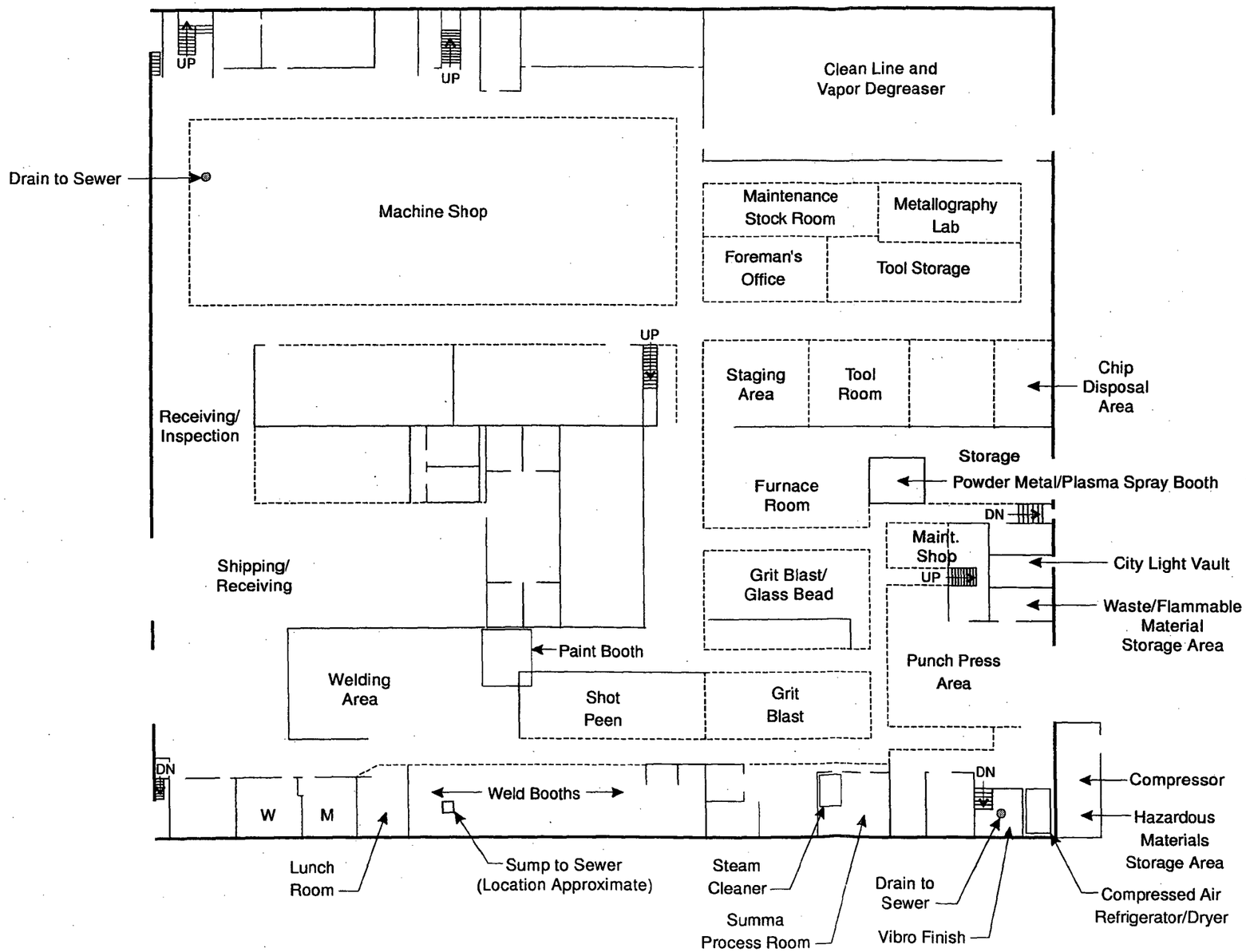
SITE VICINITY/PROPERTY PLAN

Job No. 01674-991-005

DAMES & MOORE

Plant 2 - 637 South Lucile Street
General Electric Company
FIGURE 2

LUC000228



N

0 30 60

Approximate Scale in Feet

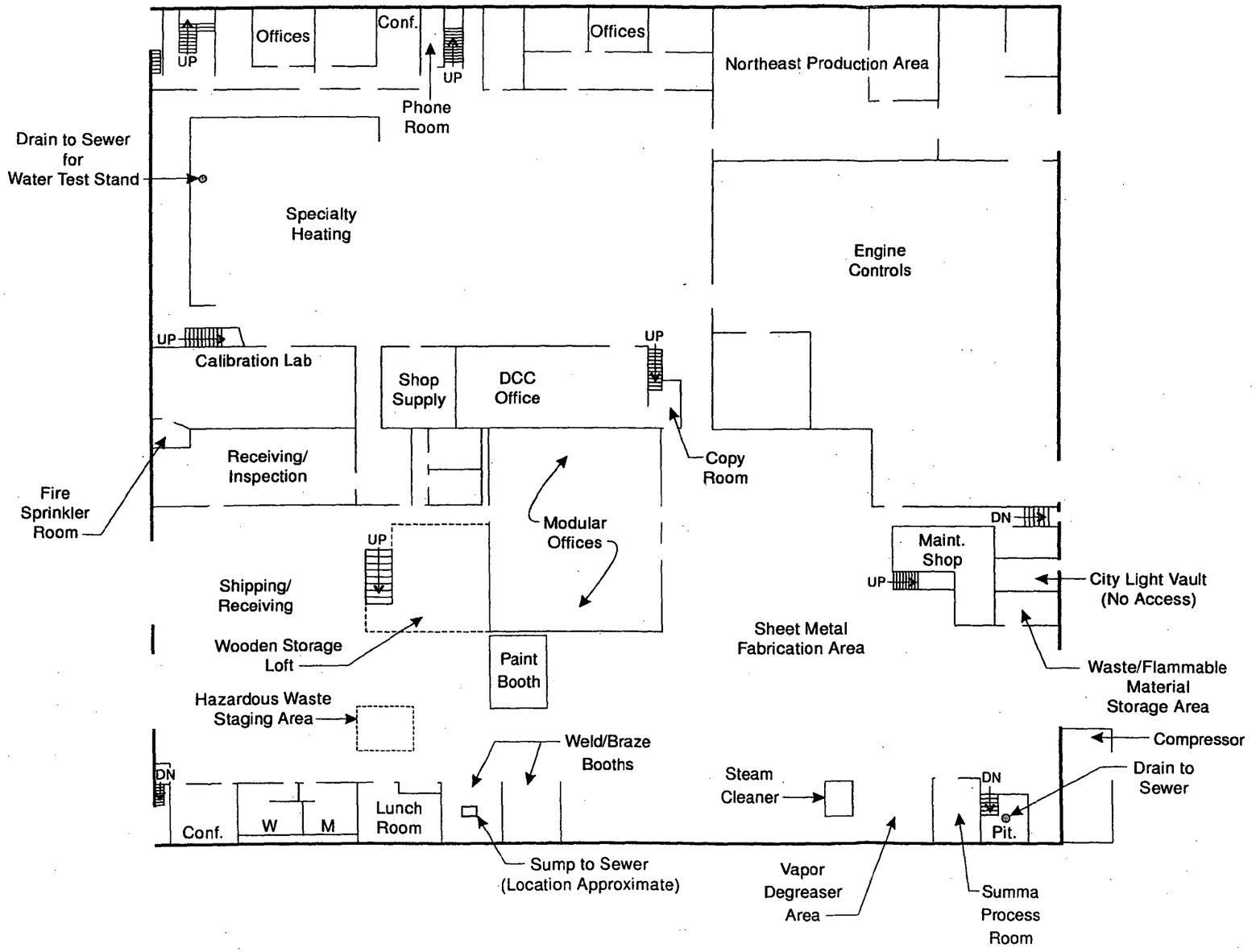
FLOOR PLAN (1983-1989)

Plant 2 - 637 South Lucile
General Electric Company
FIGURE 3

Job No. 01674-991-005

DAMES & MOORE

LUC000229



N

0 30 60

Approximate Scale in Feet

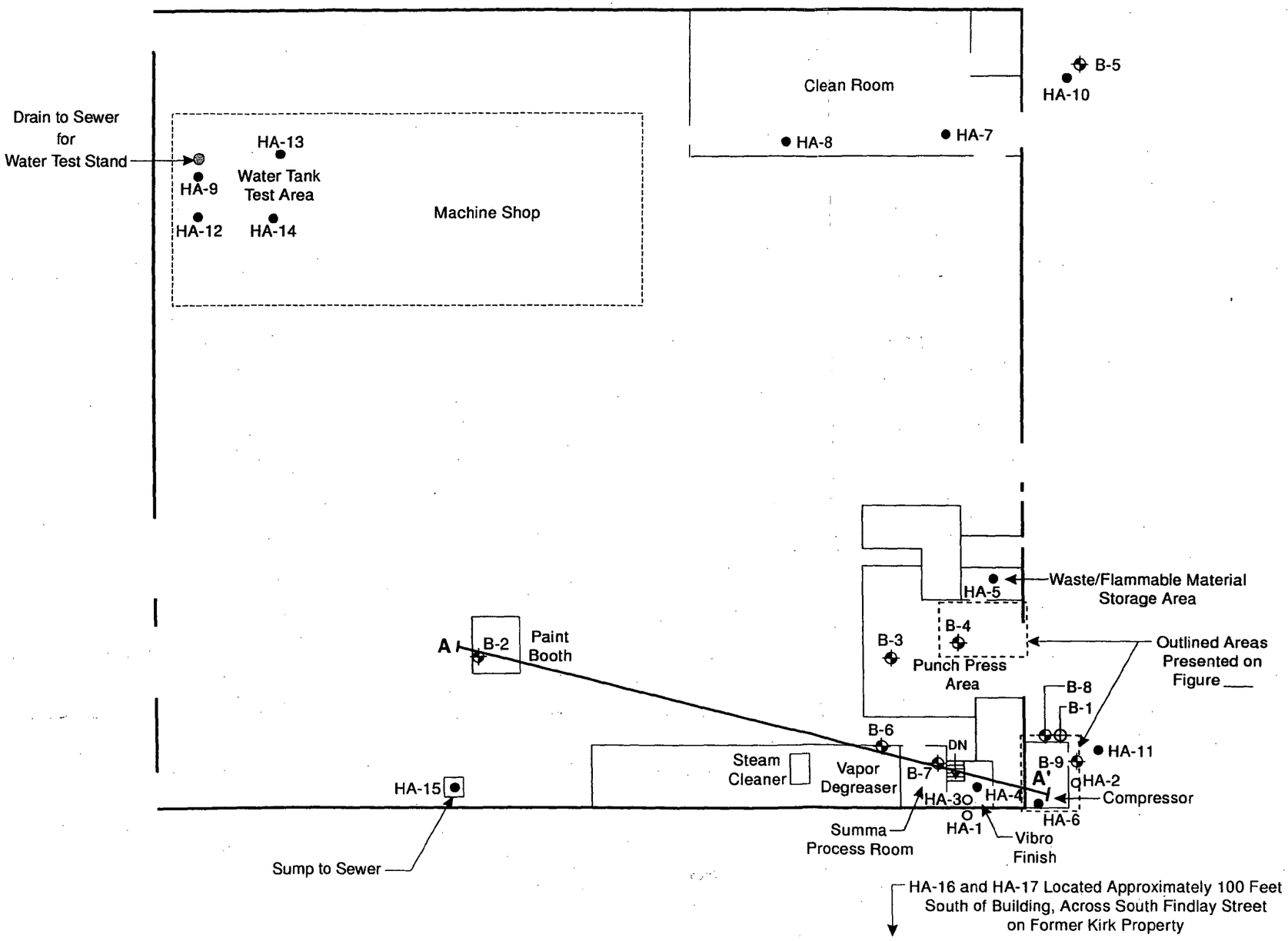
FLOOR PLAN (1989-1994)

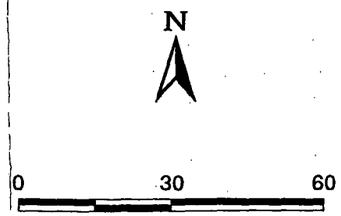
Plant 2 - 637 South Lucile
General Electric Company
FIGURE 4

Job No. 01674-991-005

DAMES & MOORE

LUC000230





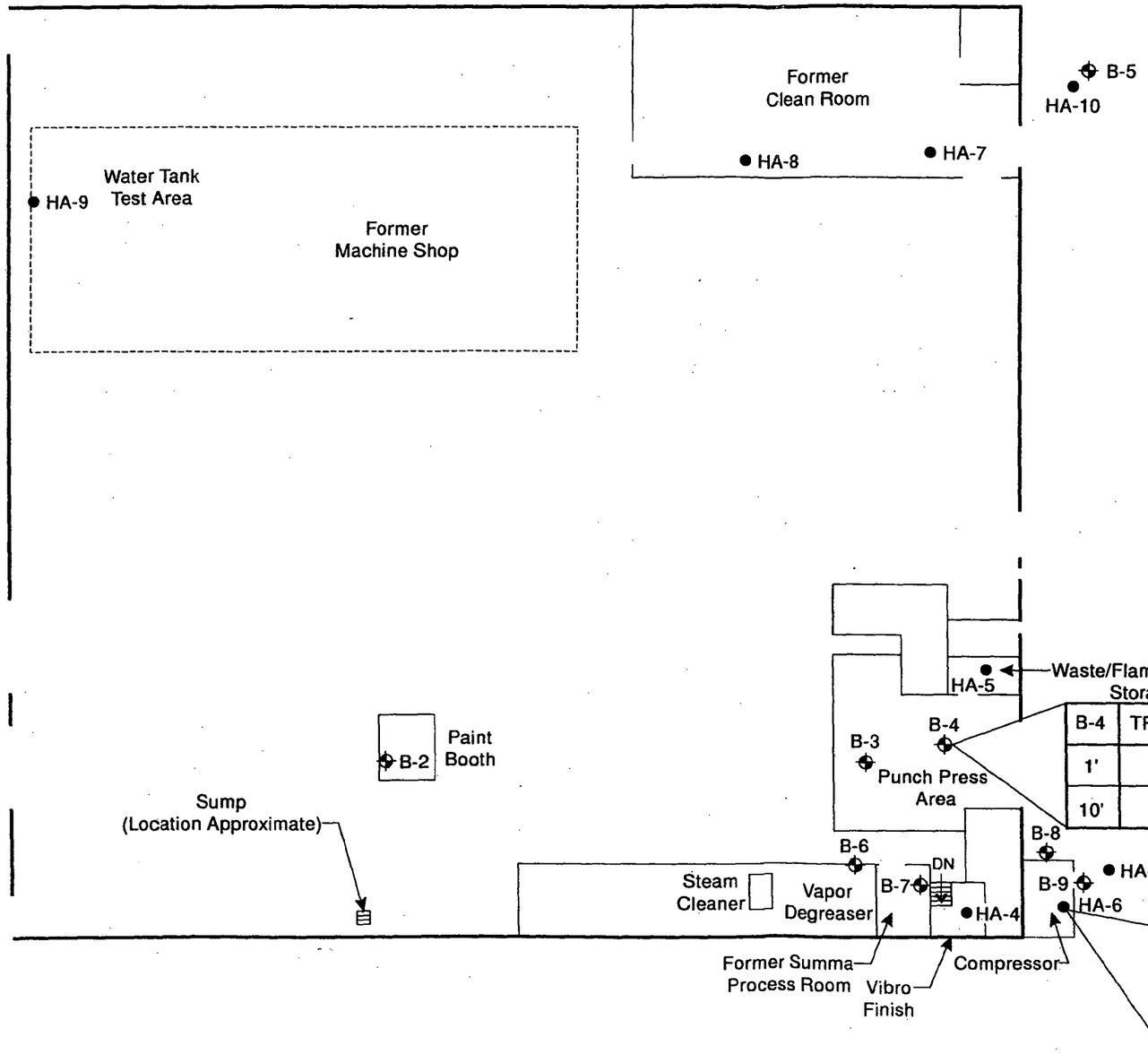
LEGEND

●	HA-4	1994 Hand auger boring
⊕	B-2	1994 Soil boring
o	HA-1	1992 Hand auger boring
⊕	B-1	1992 Soil boring

1992 AND 1994
SOIL SAMPLE LOCATIONS

Plant 2 - 637 South Lucile
General Electric Company
FIGURE 5

Job No. 01674-991-005
DAMES & MOORE



B-4	TPH (418.1)
1'	16,000
10'	19 U

HA-6	TPH (418.1)
1'	320
4'	20 U

N

0 30 60

Approximate Scale in Feet

LEGEND

● HA-4	Hand auger boring
⊕ B-2	Soil boring
16,000	TPH concentration in mg/kg
1'	Depth of sample in feet
U	Not detected above reported detection limit

GREATER TPH CONCENTRATIONS IN SOIL

Plant 2 - 637 South Lucile
General Electric Company
FIGURE 6

Job No. 01674-991-005

DAMES & MOORE

LUC000232

ATTACHMENT A

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY
Northwest Regional Office • 3190 160th Avenue SE • Bellevue, Washington 98008-5452 • (425) 649-7000

October 9, 2006

CERTIFIED MAIL
7005 1820 0004 5364 1376

General Electric Aircraft Engines
1 Neumann Way
Mail Drop T 165
Cincinnati, Ohio 45215

Dear Sir/Ms:

RE: MTCA Cleanup Order
Notice of Site Assessment Review
ATTENTION: Environmental and Regulatory Affairs/Property Management

On August 5, 1991, a hazardous waste permit (Ecology/EPA ID# WAD 00081 2909) was issued to the waste treatment and storage facility at 734 S Lucile St., now owned by the Philip Services Corporation (PSC). The permit included requirements for the facility's owner/operator to perform environmental investigations associated with releases from the facility, and to clean up contaminated media potentially posing unacceptable risks to human health or the environment. These requirements in the permit, described as RCRA *Corrective Action* requirements, were then carried out under the oversight of the US Environmental Protection Agency (EPA). In August of 2001 the facility's permit expired. EPA subsequently transferred oversight of the Corrective Action portion of the permit to the Washington State Department of Ecology. That transfer occurred in March of 2002.

Since that time the expired permit has remained in force, and has been modified but not replaced. In August of 2003 PSC completed closure of its Georgetown facility.

Ecology's intent is to replace the PSC permit's Corrective Action groundwater cleanup requirements with requirements contained in a Model Toxics Control Act (MTCA) Order. Preparation of that Order is presently underway. As part of the effort to draft a MTCA Order for addressing contamination found downgradient of the PSC facility, Ecology is evaluating properties with known or potential environmental contamination within the general "affected area." Towards that end we are currently performing a preliminary review of file information for the property at 637 S. Lucile St. in Seattle. According to a letter we were copied on, sent from Marlys Palumbo of Van Ness Feldman to you on June 8, GEAE "owned or conducted operations on real property located..." at this address, "...(including an adjacent triangular parcel directly to the south)." The time period of interest is from approximately 1983 through 1994.

This review is being performed under Washington's Administrative Code 173-340-130(2-3), *information exchange and sharing*, which reflects an Ecology policy by which the Department requests persons who may have relevant environmental information to make that information available to Ecology for review. MTCA RCW 70.105D.030(1)(a) empowers Ecology to investigate, provide for investigating, or require potentially liable persons to investigate any releases or threatened releases, and when appropriate, to require the production of documents or other information that the Department deems necessary.

The property at 637 S. Lucile St., as well as the triangular parcel immediately to the south, has come to our attention due to its location and the presence of groundwater contamination in the immediate area, which may be indicative of releases from sources besides the PSC facility.

We want to give you an opportunity to provide any additional information that we may not be aware of, including site investigation reports, cleanup reports, or other environmental information. In particular, information regarding historical site operations (such as vapor degreasing) and processes and historical site/subsurface investigations is requested. Please also complete the attached information request checklist (see Enclosure A).

Please contact us as soon as possible if we have incorrectly identified you as a past owner of, or operator at, this parcel. Please also inform us if there are other persons/companies associated with this property who may have relevant information, and to whom we may direct a similar letter. Your assistance in gathering this information will help to ensure an accurate and thorough review.

To ensure a timely review, please send the requested information to the Northwest Regional Office of Ecology, at the address shown on the letterhead. Attention it to me, Ed Jones. If we do not hear from you, we will use what information we already have in performing our site review.

Ecology will use the information provided by you and others we contact to help determine the status of any other[1] "owners"/"operators," and other "facilities"/"sites" in the area, as defined by MTCA (please see Enclosure B). The Department appreciates your cooperation in this matter. If you have any questions regarding this letter or the investigation and cleanup of contamination associated with the PSC facility, please feel free to contact me at (425) 649-4449.

Sincerely,

Ed Jones
Environmental Engineer
Hazardous Waste and Toxics Reduction Program

EJ:sd

Enclosures

cc: A Smith, AAG
Central Files

[1] i.e., besides PSC

General Electric
October 9, 2006

SITE ASSESSMENT INFORMATION REQUEST

Please provide the following information to assist in Ecology's evaluation of the site. Address each item as completely as possible. When you cannot address a particular item because of a lack of information, please state so. Thank you.

1. PROVIDE THE FOLLOWING BACKGROUND INFORMATION:

   - o Facility name and address at the time of your ownership/interest.
   - o Facility owner/operator name, title, address, and phone number.
   - o Property owner's (if different from facility owner/operator) name, and current address and phone number
   - o Use of site at the time of your ownership/interest.
   - o Past use of site: include all you know about previous owners and users of site, and associated dates.
   - o Size of site (in acres or square feet).
   - o Site security (is site completely or partially fenced, patrolled, etc.?).
   - o Land uses immediately surrounding the site boundaries (e.g., site is surrounded by agricultural or commercial land, homes to north, etc.) at the time of your ownership/interest.

2. PROVIDE A SITE MAP WITH THE FOLLOWING ITEMS IDENTIFIED:

   - o Building names and their functions (past and up through the period of your ownership/interest).
   - o During the period of your ownership/interest:
     - all chemical and waste storage and disposal areas (buildings, ponds, landfills, piles, etc.); include inactive or abandoned areas.
     - outside process areas, storage tanks, or waste treatment systems.
     - on-site wells (water supply, monitoring, dry wells, abandoned wells).

3. PROVIDE THE FOLLOWING CHEMICAL/WASTE HANDLING INFORMATION (for the period of your ownership/interest, as well as any information you have regarding operations conducted prior to this period):

   - o All chemicals used /stored at the site (solvents, pesticides, acids, bases, etc.). All waste products generated or stored at the site (waste solvents or oils, filter cake, spent plating solutions, metal grindings, etc.).
   - o Approximate volumes of chemicals used and wastes generated per year, and maximum volume kept on-site.

General Electric
October 9, 2006

ENCLOSURE A

QUESTIONNAIRE CHECKLIST

- Any on-site chemical or waste-treatment systems (flocculation/filtration, incineration, chemical or physical treatment, volume reduction, etc.).

- Information on all past and present chemical and waste storage/disposal areas; include information on size, type, current or former contents, and condition of each. For example:

  "There are two 3,000-gallon steel underground tanks on-site; each presently contains about 500 gallons of gasoline. These were installed in 1988, and are thought to be in good condition. They have not been tested."

  "There are five large tailings piles (size ranging from 20 to 20,000 cubic yards) on-site. They are unlined, have no containment structures, and consist of mill tailings with 2% copper and 0.5% arsenic. These piles have been in place since 1984."

- Type, quantity, and destination of all wastes removed from site (i.e., metal wastes landfilled at county dump site, used solvents recycled by ...).

- Any spills or other releases of hazardous substances that have occurred at the site during your operation or ownership.

- Any information you have about hazardous substances used, stored, or released at the site by prior owners or operators.

4. PROVIDE THE FOLLOWING PERMIT INFORMATION:

- Identify all regulatory permits in force during the period of your interest/ownership (this should include expired permits still in force). For each, provide information on the type of permit (NPDES, RCRA Interim Status, etc.), regulating agency (federal, state, sewerage agency), and issue and expiration dates.

5. PROVIDE THE FOLLOWING SAMPLING/CLEANUP INFORMATION:

- Describe all environmental sampling/monitoring performed at the site. Provide sampling results. Describe any soil excavations or removals, spill cleanups, groundwater treatment, etc., performed at site.

MAIL TO:

Department of Ecology, NWRO
ATTN: Ed Jones
3190 160th Ave. SE
Bellevue, WA 98008-5452

General Electric
October 9, 2006

ENCLOSURE B

RCW 70.105D.020
Definitions.

(1) "Agreed order" means an order issued by the department under this chapter with which the potentially liable person receiving the order agrees to comply. An agreed order may be used to require or approve any cleanup or other remedial actions but it is not a settlement under RCW 70.105D.040(4) and shall not contain a covenant not to sue, or provide protection from claims for contribution, or provide eligibility for public funding of remedial actions under RCW 70.105D.070(2)(d)(xi).

(2) "Department" means the department of ecology.

(3) "Director" means the director of ecology or the director's designee.

(4) "Facility" means (a) any building, structure, installation, equipment, pipe or pipeline (including any pipe into a sewer or publicly owned treatment works), well, pit, pond, lagoon, impoundment, ditch, landfill, storage container, motor vehicle, rolling stock, vessel, or aircraft, or (b) any site or area where a hazardous substance, other than a consumer product in consumer use, has been deposited, stored, disposed of, or placed, or otherwise come to be located.

12) "Owner or operator" means:

(a) Any person with any ownership interest in the facility or who exercises any control over the facility; or

(b) In the case of an abandoned facility, any person who had owned, or operated, or exercised control over the facility any time before its abandonment;

The term does not include:

(i) An agency of the state or unit of local government which acquired ownership or control involuntarily through bankruptcy, tax delinquency, abandonment, or circumstances in which the government involuntarily acquires title. This exclusion does not apply to an agency of the state or unit of local government which has caused or contributed to the release or threatened release of a hazardous substance from the facility;

(ii) A person who, without participating in the management of a facility, holds indicia of ownership primarily to protect the person's security interest in the facility. Holders after foreclosure and its equivalent and holders who engage in any of the activities identified in subsection (13)(e) through (g) of this section shall not lose this exemption provided the holder complies with all of the following:

(A) The holder properly maintains the environmental compliance measures already in place at the facility;

(B) The holder complies with the reporting requirements in the rules adopted under this chapter;

(C) The holder complies with any order issued to the holder by the department to abate an imminent or substantial endangerment;

(D) The holder allows the department or potentially liable persons under an order, agreed order, or settlement agreement under this chapter access to the facility to conduct remedial actions and does not impede the conduct of such remedial actions;

(E) Any remedial actions conducted by the holder are in compliance with any preexisting requirements identified by the department, or, if the department has not identified such requirements for the facility, the remedial actions are conducted consistent with the rules adopted under this chapter; and

(F) The holder does not exacerbate an existing release. The exemption in this subsection (12)(b)(ii) does not apply to holders who cause or contribute to a new release or threatened release or who are otherwise liable under RCW 70.105D.040(1) (b), (c), (d), and (e); provided, however, that a holder shall not lose this exemption if it establishes that any such new release has been remediated according to the requirements of this chapter and that any hazardous substances remaining at the facility after remediation of the new release are divisible from such new release;

(iii) A fiduciary in his, her, or its personal or individual capacity. This exemption does not preclude a claim against the assets of the estate or trust administered by the fiduciary or against a nonemployee agent or independent contractor retained by a fiduciary. This exemption also does not apply to the extent that a person is liable under this chapter independently of the person's ownership as a fiduciary or for actions taken in a fiduciary capacity which cause or contribute to a new release or exacerbate an existing release of hazardous substances. This exemption applies provided that, to the extent of the fiduciary's powers granted by law or by the applicable governing instrument granting fiduciary powers, the fiduciary complies with all of the following:

(A) The fiduciary properly maintains the environmental compliance measures already in place at the facility;

(B) The fiduciary complies with the reporting requirements in the rules adopted under this chapter;

(C) The fiduciary complies with any order issued to the fiduciary by the department to abate an imminent or substantial endangerment;

(D) The fiduciary allows the department or potentially liable persons under an order, agreed order, or settlement agreement under this chapter access to the facility to conduct remedial actions and does not impede the conduct of such remedial actions;

(E) Any remedial actions conducted by the fiduciary are in compliance with any preexisting requirements identified by the department, or, if the department has not identified such requirements for the facility, the remedial actions are conducted consistent with the rules adopted under this chapter; and

(F) The fiduciary does not exacerbate an existing release.

The exemption in this subsection (12)(b)(iii) does not apply to fiduciaries who cause or contribute to a new release or threatened release or who are otherwise liable under RCW 70.105D.040(1) (b), (c), (d), and (e); provided however, that a fiduciary shall not lose this exemption if it establishes that any such new release has been remediated according to the requirements of this chapter and that any hazardous substances remaining at the facility after remediation of the new release are divisible from such new release. The exemption in this subsection (12)(b)(iii) also does not apply where the fiduciary's powers to comply with this subsection (12)(b)(iii) are limited by a governing instrument created with the objective purpose of avoiding liability under this chapter or of avoiding compliance with this chapter; or

(iv) Any person who has any ownership interest in, operates, or exercises control over real property where a hazardous substance has come to be located solely as a result of migration of the hazardous substance to the real property through the ground water from a source off the property, if:

(A) The person can demonstrate that the hazardous substance has not been used, placed, managed, or otherwise handled on the property in a manner likely to cause or contribute to a release of the hazardous substance that has migrated onto the property;

(B) The person has not caused or contributed to the release of the hazardous substance;

(C) The person does not engage in activities that damage or interfere with the operation of remedial actions installed on the person's property or engage in activities that result in exposure of humans or the environment to the contaminated ground water that has migrated onto the property;

(D) If requested, the person allows the department, potentially liable persons who are subject to an order, agreed order, or consent decree, and the authorized employees, agents, or contractors of each, access to the property to conduct remedial actions required by the department. The person may attempt to negotiate an access agreement before allowing access; and

(E) Legal withdrawal of ground water does not disqualify a person from the exemption in this subsection (12)(b)(iv).
(16) "Potentially liable person" means any person whom the department finds, based on credible evidence, to be liable under RCW 70.105D.040. The department shall give notice to any such person and allow an opportunity for comment before making the finding, unless an emergency requires otherwise.

RCW 70.105D.030
Department's powers and duties.

(1) The department may exercise the following powers in addition to any other powers granted by law:

(a) Investigate, provide for investigating, or require potentially liable persons to investigate any releases or threatened releases of hazardous substances, including but not limited to inspecting, sampling, or testing to determine the nature or extent of any release or threatened release. If there is a reasonable basis to believe that a release or threatened release of a hazardous substance may exist, the department's authorized employees, agents, or contractors may enter upon any property and conduct investigations. The department shall give reasonable notice before entering property unless an emergency prevents such notice. The department may by subpoena require the attendance or testimony of witnesses and the production of documents or other information that the department deems necessary;

(b) Conduct, provide for conducting, or require potentially liable persons to conduct remedial actions (including investigations under (a) of this subsection) to remedy releases or threatened releases of hazardous substances. In carrying out such powers, the department's authorized employees, agents, or contractors may enter upon property. The department shall give reasonable notice before entering property unless an emergency prevents such notice. In conducting, providing for, or requiring remedial action, the department shall give preference to permanent solutions to the maximum extent practicable and shall provide for or require adequate monitoring to ensure the effectiveness of the remedial action;

(c) Indemnify contractors retained by the department for carrying out investigations and remedial actions, but not for any contractor's reckless or wilful misconduct;

(d) Carry out all state programs authorized under the federal cleanup law and the federal resource, conservation, and recovery act, 42 U.S.C. Sec. 6901 et seq., as amended;

(e) Classify substances as hazardous substances for purposes of RCW 70.105D.020(7) and classify substances and products as hazardous substances for purposes of RCW 82.21.020(1);

(f) Issue orders or enter into consent decrees or agreed orders that include, or issue written opinions under (i) of this subsection that may be conditioned upon, deed restrictions where necessary to protect human health and the environment from a release or threatened release of a hazardous substance from a facility. Prior to establishing a deed restriction under this subsection, the department shall notify and seek comment from a city or county department with land use planning authority for real property subject to a deed restriction;

(g) Enforce the application of permanent and effective institutional controls that are necessary for a remedial action to be protective of human health and the environment and the notification requirements established in RCW 70.105D.110, and impose penalties for violations of that section consistent with RCW 70.105D.050;

(h) Require holders to conduct remedial actions necessary to abate an imminent or substantial endangerment pursuant to RCW 70.105D.020(12)(b)(ii)(C);

(i) Provide informal advice and assistance to persons regarding the administrative and technical requirements of this chapter. This may include site-specific advice to persons who are conducting or otherwise interested in independent remedial actions. Any such advice or

assistance shall be advisory only, and shall not be binding on the department. As a part of providing this advice and assistance for independent remedial actions, the department may prepare written opinions regarding whether the independent remedial actions or proposals for those actions meet the substantive requirements of this chapter or whether the department believes further remedial action is necessary at the facility. The department may collect, from persons requesting advice and assistance, the costs incurred by the department in providing such advice and assistance; however, the department shall, where appropriate, waive collection of costs in order to provide an appropriate level of technical assistance in support of public participation. The state, the department, and officers and employees of the state are immune from all liability, and no cause of action of any nature may arise from any act or omission in providing, or failing to provide, informal advice and assistance; and

(j) Take any other actions necessary to carry out the provisions of this chapter, including the power to adopt rules under chapter 34.05 RCW.

(2) The department shall immediately implement all provisions of this chapter to the maximum extent practicable, including investigative and remedial actions where appropriate. The department shall adopt, and thereafter enforce, rules under chapter 34.05 RCW to:

(a) Provide for public participation, including at least (i) public notice of the development of investigative plans or remedial plans for releases or threatened releases and (ii) concurrent public notice of all compliance orders, agreed orders, enforcement orders, or notices of violation;

(b) Establish a hazard ranking system for hazardous waste sites;

(c) Provide for requiring the reporting by an owner or operator of releases of hazardous substances to the environment that may be a threat to human health or the environment within ninety days of discovery, including such exemptions from reporting as the department deems appropriate, however this requirement shall not modify any existing requirements provided for under other laws;

(d) Establish reasonable deadlines not to exceed ninety days for initiating an investigation of a hazardous waste site after the department receives notice or otherwise receives information that the site may pose a threat to human health or the environment and other reasonable deadlines for remedying releases or threatened releases at the site;

(e) Publish and periodically update minimum cleanup standards for remedial actions at least as stringent as the cleanup standards under section 121 of the federal cleanup law, 42 U.S.C. Sec. 9621, and at least as stringent as all applicable state and federal laws, including health-based standards under state and federal law; and

(f) Apply industrial clean-up standards at industrial properties. Rules adopted under this subsection shall ensure that industrial properties cleaned up to industrial standards cannot be converted to nonindustrial uses without approval from the department. The department may require that a property cleaned up to industrial standards is cleaned up to a more stringent applicable standard as a condition of conversion to a nonindustrial use. Industrial clean-up standards may not be applied to industrial properties where hazardous substances

remaining at the property after remedial action pose a threat to human health or the environment in adjacent nonindustrial areas.

(3) Before November 1st of each even-numbered year, the department shall develop, with public notice and hearing, and submit to the ways and means and appropriate standing environmental committees of the senate and house of representatives a ranked list of projects and expenditures recommended for appropriation from both the state and local toxics control accounts. The department shall also provide the legislature and the public each year with an accounting of the department's activities supported by appropriations from the state toxics control account, including a list of known hazardous waste sites and their hazard rankings, actions taken and planned at each site, how the department is meeting its top two management priorities under RCW 70.105.150, and all funds expended under this chapter.

(4) The department shall establish a scientific advisory board to render advice to the department with respect to the hazard ranking system, cleanup standards, remedial actions, deadlines for remedial actions, monitoring, the classification of substances as hazardous substances for purposes of RCW 70.105D.020(7) and the classification of substances or products as hazardous substances for purposes of RCW 82.21.020(1). The board shall consist of five independent members to serve staggered three-year terms. No members may be employees of the department. Members shall be reimbursed for travel expenses as provided in RCW 43.03.050 and 43.03.060.

(5) The department shall establish a program to identify potential hazardous waste sites and to encourage persons to provide information about hazardous waste sites.

RCW 70.105D.040
Standard of liability -- Settlement.

(1) Except as provided in subsection (3) of this section, the following persons are liable with respect to a facility:

(a) The owner or operator of the facility;

(b) Any person who owned or operated the facility at the time of disposal or release of the hazardous substances;

(c) Any person who owned or possessed a hazardous substance and who by contract, agreement, or otherwise arranged for disposal or treatment of the hazardous substance at the facility, or arranged with a transporter for transport for disposal or treatment of the hazardous substances at the facility, or otherwise generated hazardous wastes disposed of or treated at the facility;

(d) Any person (i) who accepts or accepted any hazardous substance for transport to a disposal, treatment, or other facility selected by such person from which there is a release or a threatened release for which remedial action is required, unless such facility, at the time of disposal or treatment, could legally receive such substance; or (ii) who accepts a hazardous substance for transport to such a facility and has reasonable grounds to believe that such facility is not operated in accordance with chapter 70.105 RCW; and

(e) Any person who both sells a hazardous substance and is responsible for written instructions for its use if (i) the substance is used according to the instructions and (ii) the use constitutes a release for which remedial action is required at the facility.

(2) Each person who is liable under this section is strictly liable, jointly and severally, for all remedial action costs and for all natural resource damages resulting from the releases or threatened releases of hazardous substances. The attorney general, at the request of the department, is empowered to recover all costs and damages from persons liable therefor.

(3) The following persons are not liable under this section:

(a) Any person who can establish that the release or threatened release of a hazardous substance for which the person would be otherwise responsible was caused solely by:

(i) An act of God;

(ii) An act of war; or

(iii) An act or omission of a third party (including but not limited to a trespasser) other than (A) an employee or agent of the person asserting the defense, or (B) any person whose act or omission occurs in connection with a contractual relationship existing, directly or indirectly, with the person asserting this defense to liability. This defense only applies where the person asserting the defense has exercised the utmost care with respect to the hazardous substance, the foreseeable acts or omissions of the third party, and the foreseeable consequences of those acts or omissions;

(b) Any person who is an owner, past owner, or purchaser of a facility and who can establish by a preponderance of the evidence that at the time the facility was acquired by the person, the person had no knowledge or reason to know that any hazardous substance, the release or threatened release of which has resulted in or contributed to the need for the remedial action, was released or disposed of on, in, or at the facility. This subsection (b) is limited as follows:

(i) To establish that a person had no reason to know, the person must have undertaken, at the time of acquisition, all appropriate inquiry into the previous ownership and uses of the property, consistent with good commercial or customary practice in an effort to minimize liability. Any court interpreting this subsection (b) shall take into account any specialized knowledge or experience on the part of the person, the relationship of the purchase price to the value of the property if uncontaminated, commonly known or reasonably ascertainable information about the property, the obviousness of the presence or likely presence of contamination at the property, and the ability to detect such contamination by appropriate inspection;

(ii) The defense contained in this subsection (b) is not available to any person who had actual knowledge of the release or threatened release of a hazardous substance when the person owned the real property and who subsequently transferred ownership of the property without first disclosing such knowledge to the transferee;

(iii) The defense contained in this subsection (b) is not available to any person who, by any act or omission, caused or contributed to the release or threatened release of a hazardous substance at the facility;

(c) Any natural person who uses a hazardous substance lawfully and without negligence for any personal or domestic purpose in or near a dwelling or accessory structure when that person is: (i) A resident of the dwelling; (ii) a person who, without compensation, assists the resident in the use of the substance; or (iii) a person who is employed by the resident, but who is not an independent contractor;

(d) Any person who, for the purpose of growing food crops, applies pesticides or fertilizers without negligence and in accordance with all applicable laws and regulations.

(4) There may be no settlement by the state with any person potentially liable under this chapter except in accordance with this section.

(a) The attorney general may agree to a settlement with any potentially liable person only if the department finds, after public notice and any required hearing, that the proposed settlement would lead to a more expeditious cleanup of hazardous substances in compliance with cleanup standards under RCW 70.105D.030(2)(e) and with any remedial orders issued by the department. Whenever practicable and in the public interest, the attorney general may expedite such a settlement with persons whose contribution is insignificant in amount and toxicity. A hearing shall be required only if at least ten persons request one or if the department determines a hearing is necessary.

(b) A settlement agreement under this section shall be entered as a consent decree issued by a court of competent jurisdiction.

(c) A settlement agreement may contain a covenant not to sue only of a scope commensurate with the settlement agreement in favor of any person with whom the attorney general has settled under this section. Any covenant not to sue shall contain a reopener clause which requires the court to amend the covenant not to sue if factors not known at the time of entry of the settlement agreement are discovered and present a previously unknown threat to human health or the environment.

(d) A party who has resolved its liability to the state under this section shall not be liable for claims for contribution regarding matters addressed in the settlement. The settlement does not discharge any of the other liable parties but it reduces the total potential liability of the others to the state by the amount of the settlement.

(e) If the state has entered into a consent decree with an owner or operator under this section, the state shall not enforce this chapter against any owner or operator who is a successor in interest to the settling party unless under the terms of the consent decree the state could enforce against the settling party, if:

(i) The successor owner or operator is liable with respect to the facility solely due to that person's ownership interest or operator status acquired as a successor in interest to the owner or operator with whom the state has entered into a consent decree; and

(ii) The stay of enforcement under this subsection does not apply if the consent decree was based on circumstances unique to the settling party that do not exist with regard to the successor in interest, such as financial hardship. For consent decrees entered into before July 27, 1997, at the request of a settling party or a potential successor owner or operator, the attorney general shall issue a written opinion on whether a consent decree contains such unique circumstances. For all other consent decrees, such unique circumstances shall be specified in the consent decree.

(f) Any person who is not subject to enforcement by the state under (e) of this subsection is not liable for claims for contribution regarding matters addressed in the settlement.

(5)(a) In addition to the settlement authority provided under subsection (4) of this section, the attorney general may agree to a settlement with a person not currently liable for remedial action at a facility who proposes to purchase, redevelop, or reuse the facility, provided that:

(i) The settlement will yield substantial new resources to facilitate cleanup;

(ii) The settlement will expedite remedial action consistent with the rules adopted under this chapter; and

(iii) Based on available information, the department determines that the redevelopment or reuse of the facility is not likely to contribute to the existing release or threatened release, interfere with remedial actions that may be needed at the site, or increase health risks to persons at or in the vicinity of the site.

(b) The legislature recognizes that the state does not have adequate resources to participate in all property transactions involving contaminated property. The primary purpose of this subsection (5) is to promote the cleanup and reuse of vacant or abandoned commercial or industrial contaminated property. The attorney general and the department may give priority to settlements that will provide a substantial public benefit, including, but not limited to the reuse of a vacant or abandoned manufacturing or industrial facility, or the development of a facility by a governmental entity to address an important public purpose.

(6) Nothing in this chapter affects or modifies in any way any person's right to seek or obtain relief under other statutes or under common law, including but not limited to damages for injury or loss resulting from a release or threatened release of a hazardous substance. No settlement by the department or remedial action ordered by a court or the department affects any person's right to obtain a remedy under common law or other statutes.

B

ATTACHMENT B

HISTORICAL LAND USE REVIEW

Information regarding past site land use in the site vicinity was obtained by reviewing historical aerial photographs listed above, archival topographic maps, and relevant documents obtained from the University of Washington Suzzallo Library, the Seattle Public Library, and Dames & Moore's library. Archival topographic maps for the years 1949, 1973, and 1987 were reviewed and interpreted for indications of topographic and land-use changes which may have had a negative environmental impact on the site and its surroundings. A review of the Metsker Land Ownership Map for the years 1926 and 1936, and the Kroll Atlas for the years 1950, 1958, 1966, and 1987 was made to obtain pertinent information regarding pre-existing structures and ownership of buildings located at the site and on properties in the site vicinity. The Polk's City Directory for the years 1938, 1942, 1954, 1963, 1972, 1975, 1977 and 1983 was reviewed to obtain information concerning previous tenants that occupied the subject site and properties within the 1,500-foot vicinity of the site. Sanborn Fire Insurance Maps for the years 1929 and 1944 were reviewed for information regarding structures and/or ownership and properties within the site vicinity. See Attachment B for details of this review.

A listing of historical businesses within the property vicinity is presented in Table C-1. A chronological summary of land use changes in the property vicinity is presented below:

1926 and 1936 Metsker Maps

Ownership of the site is not indicated on the 1926 and 1936 map. The Duwamish Terminal Grounds and a railroad roundhouse are located approximately 1,000 feet to the north.

1929 Sanborn Map

The site is occupied by residential dwellings. There is no address for 637 S. Lucile Street. Georgetown Lumber Company is located approximately 500 feet to the northeast. Preservative Paint Company, Asphalt Products (Roof and Mineral Paints), and Fuel Yards and Pitch Kettles are located approximately 600 to 1,000 feet to the east-northeast.

1938 Polk Directory

The site vicinity is predominately residential. Olympic Foundry Company, Preservative Paint Company, and Pacific Coast Coal (yard) are located at 5200, 5410, and 5422 Airport Way, respectively, approximately 600 to 1,000 feet east-northeast of the site. Other businesses that may be associated with hazardous materials or waste located within the 1500-foot site vicinity are listed in Table C-1.

1942 Polk Directory

The site is not listed in the Polk Directory. Miller Lumber Company is located at 740 S. Lucile Street approximately 700 feet northeast of the site. Harper-Lyman Scale Company, located approximately 1,200 feet east of the site at 4800 Airport Way in 1938, is listed as Fluckinger Machine Works in 1942. Other businesses that may be associated with hazardous materials or waste located within the 1,500-foot site vicinity are listed in Table C-1.

1944 Sanborn Map

Shingle Staining Department of Georgetown Lumber Company is located at 724 S. Lucile Street approximately 500 feet to the east-northeast. Tractor Storage Yard is located at 745 S. Lucile Street approximately 700 feet to the east. Western Tractor Company is located south of Tractor Storage Yard.

1949 Topographic Maps

The site is located within a residential area marked as Georgetown. To the northeast of the site, multiple railroad tracks cross from the northwest to the southeast. Industrial type buildings are shown adjacent to the tracks and adjoining a main road paralleling the tracks. The residential area of Georgetown is located to the south, southwest, and west.

1950 Kroll Maps

The site is located in the Commercial Street Steam Motor Addition. Western Tractor and Equipment Supply is located approximately 100 feet to the east.

1954 Polk Directory

The site is not listed. Wood Beautifiers Inc. (shop), Western Tractor & Equipment Co. (machy dlrs) and Quality Roofing and Siding Co. (whse) are located at 730, 745, and 801 S. Lucile Street and are within the 800-feet to the east of the site. On Airport Way, approximately 500 to 1,000 feet to the east, changes include the listing of Quality Roofing & Siding Company at 5501 Airport Way. Other businesses that may be associated with hazardous materials or waste located within the 1,500-foot site vicinity are listed in Table C-1.

1958 Kroll Maps

Significant changes are not shown on the 1958 Kroll Map.

1961 Aerial Photographs

The site is located in the east portion of a residential area and is occupied by twelve dwellings. The 1,500-foot site vicinity is predominately residential to the south, west, and northwest. An area of tilled/graded soil is noted approximately 800 feet to the southwest. There appears to be four large industrial buildings approximately 300 to 800 feet northeast of the site. An additional industrial-type building is visible approximately 500 feet to the east and is associated with a storage yard containing multiple containers, rail cars, and other unrecognizable debris.

1963 Polk Directory

The site is not listed. Changes in land use include Riddell Trailer & Equipment Co. listed at 745 S. Lucile Street, approximately 200 feet east of the site. Quality Roofing & Siding Co., noted in the Polk Directory 1954, is now listed as Haywood Cutter Head Inc. (tool manufacturer). Other businesses that may be associated with hazardous materials or waste located within the 1500-foot site vicinity are listed in Table C-1.

1965 Aerial Photographs

The site appears unchanged. The adjacent block to the east is occupied by a single building on the south-central portion and is surrounded on three sides by approximately 70 vehicles and/or containers.

1966 Kroll Map

The site is unchanged. Riddle Trailer and Equipment Company is located approximately 100 feet to the east. Wood Beautifiers and Paint Preservative Distillation Plant is located approximately 300 feet to the northeast and 1,000 feet to the east, respectively. Within the site vicinity to the north, Amalgamated Sugar, Jan-Pacific Company, and Charles H. Lilly Company are located to the northeast of Denver Avenue S.

1970 Aerial Photographs

To the east, a second industrial-type building is noted approximately 200 feet east of the site. A city block approximately 300 feet south of the site has been cleared and reworked. The storage yard noted in the 1961 aerial photograph approximately 500 feet to the east has been extended north and northeast of the building into an area of cleared ground.

1972 Polk Directory

The site is not listed. Listings on S. Lucile Street east of the site and west of Airport Way include Georgetown Service Center (659), Airport Machinery (707), Chemical Processors warehouse facility (734), Clyde's Diesel Service Inc. (747), and Chain Saws Northwest (803). Charles Lilly Company (fertilizer manufacturer) is located approximately 800 feet north of the site at 5200 Denver Avenue S. Chemical Processors is also listed at 5501 Airport Way. Other businesses that may be associated with hazardous materials or waste located within the 1,500-foot site vicinity are listed in Table C-1.

1973 Topographic Maps

The site is unchanged from the 1949 topographic map. Three additional industrial buildings are noted to the northeast. Beyond the residential area to the south and southwest, a significant increase in the number of industrial buildings is noted at a distance from 800 feet to approximately 2,000 feet from the site.

1978 Aerial Photograph

A square warehouse-type building occupies the majority of the subject property. Other significant changes were not noted relative to the 1970 aerial photographs.

1983 Topographic Maps

The site is occupied by a single industrial building. Ten industrial buildings are located within the site vicinity to the north, northeast, and east. To the south, seven industrial buildings are mixed with approximately 29 residences, a school, and a church. The site vicinity is mixed residential and industrial.

1983 Polk Directory

General Electric Aircraft Engine Support Facility (aircraft eng) is listed at 637 S. Lucile Street. Changes within the site vicinity include Pacific Diesel Brake located at 707 S. Lucile Street and Western Trailer Repair located at 745 S. Lucile Street. Milwaukee Electric Tool Co. (heavy duty electric tools) is located approximately 100 feet northeast of the site at 5419 Maynard Avenue S. Other businesses that may be associated with hazardous materials or waste located within the 1,500-foot site vicinity are listed in Table C-1.

1985 Aerial Photographs

The site is occupied by a large square building. Parking spaces are visible on the west and east portion of the site. Most dwellings in the site vicinity to the southwest, west, and northwest have been replaced by industrial buildings. Rows of drums and aboveground tanks are visible at the site noted in the 1961 photograph approximately 500 feet east of the site.

1987 Kroll Maps

Changes are not indicated on the 1987 Kroll Map relative to previous maps.

1989 Aerial Photographs

Significant changes are not noted at the site or within the site vicinity relative to 1985.

C

ATTACHMENT C

Surrounding Land Use Questionnaire

1. Attach a map or sketch which identifies abutters and, in the case of a proposed lease, other tenants of the potential landlord, and delineates the surrounding land use.

   See Figure 2 for locations of adjacent properties.

2. Provide a general description of land use trends in the area for the past 50 years, or as far back as records are available. Identify areas which were used for commercial, industrial, or residential purposes and list specific activities where they can be determined. Identify any of the following activities which have been conducted in the vicinity of the subject site, as far back as records are available:

____ mining	____ quarries
____ oil and gas exploration	____ gas stations or auto repair shops
____ military installations	__X__ office buildings
____ sewage treatment plants	__X__ housing
____ farming	____ recreation
__X__ manufacturing, processing, or refining industries	__X__ waste treatment, storage or disposal

__X__ others which have been involved in chemical or waste management (specify)

truck and trailer repair

Description:

The following description is based on a reconnaissance of surrounding properties, review of a Property History Report for the subject property (Attachment I) by Stewart Title, and review of aerial photographs, land owner/use maps, city directories, Sanborn Maps, and topographic maps referenced in Attachment B.

1926 - 1938:

The subject property vicinity is comprised of an area that contained a mixture of residential and commercial properties to the north and east, and a densely developed residential area to the south. The Duwamish Terminal Grounds and a railroad round house are located approximately 1,000 feet and 1/4 mile to the north and northwest, respectively. The south end of the major railroad freight yard for the City of Seattle is located approximately 1/4-mile north of the subject property. Georgetown Lumber Company is located approximately 500 feet to the northeast. In 1929, Preservative Paint Company, Asphalt Products (roof and mineral paints), and Fuel Yards and Pitch Kettles are located approximately 600 to 1,000 feet to the east-northeast.

1938 - 1949:

The subject property vicinity remains predominantly residential in 1938. At this time, Olympic Foundry Company, Preservative Paint Company, and Pacific Coast Coal (yard) are located at 5200, 5410, and 5422 Airport Way, respectively, approximately 600 to 1,000 feet east-northeast of the site. In 1942 (Polk), Miller Lumber Company is located at 740 S. Lucile Street, approximately 700 feet northeast of the subject property. Harper-Lyman Scale Company, located approximately 1,200 feet east of the site at 4800 Airport Way in 1938, is listed as Fluckinger Machine Works in 1942. In 1944 (Sanborn), Shingle Staining Department of Georgetown Lumber Company is located at 724 S. Lucile Street, approximately 500 feet to the east-northeast. Tractor Storage Yard is located at 745 S. Lucile Street approximately 700 feet to the east. Western Tractor Company is located south of Tractor Storage Yard. The 1946 aerial photo shows few changes since the 1936 aerial photo, except that the site immediately to the east of the subject property has been cleared.

1949 - 1960:

The 1949 topographic map identifies the subject property vicinity as part of a residential area referred to as Georgetown, which is located to the south, southwest, and west. To the northeast of the site, multiple railroad tracks associated with the railroad freight yard cross from the northwest and southeast. Industrial-type buildings are shown adjacent to the tracks and a main road paralleling the tracks. The 1950 Kroll map identifies the subject property and vicinity as being located in the Commercial Street Steam Motor Addition. Western Tractor and Equipment Supply is located approximately 100 feet to the east.

In 1954 (Polk), Wood Beautifiers (shop), Western Tractor and Equipment Company (machinery dealers) and Quality Roofing and Siding Company (warehouse) are located at 730, 745, and 801 S. Lucile Street and are within 800 feet to the east of the subject property. Quality Roofing and Siding Company also is listed at 5501 Airport Way. No significant changes were noted in the 1958 Kroll Map.

1960 - 1970:

The adjacent lot to the east of the subject property has a commercial scale structure in 1960 (aerial photo). The subject property vicinity is still predominantly residential to the south, west and northwest. In 1961 (aerial photo) a cleared lot is noted approximately 800 feet to the southwest, and four large industrial-scale structures are located approximately 300 to 800 feet northeast of the site. Another industrial-scale structure is visible approximately 500 feet to the east and is associated with a storage yard containing multiple containers, railcars, and other unrecognizable debris. The 1963 Polk Directory lists Riddell Trailer and Equipment Company at 745 S. Lucile Street, approximately 200 feet east of the subject property. Quality Roofing and Siding Company, noted in the 1954 Polk Directory, is now listed as Haywood Cutter Head, Inc. (tool manufacturer). In 1965 (aerial photo), the adjacent block to the east is occupied by a single building on the south-central portion and is surrounded on three sides by approximately 70 vehicles and/or containers.

The 1966 Kroll Map indicates Riddle Trailer and Equipment Company is located approximately 100 feet to the east. Wood Beautifiers and Paint Preservative Distillation Plant is located approximately 300 feet to the northeast and 1,000 feet to the east, respectively. Within the subject property vicinity to the north, Amalgamated Sugar, Jan-Pacific Company, and Charles H. Lilly Company are located to the northeast of Denver Avenue S. The 1969 aerial photo shows additional commercial-scale structures to the north.

1970 - 1983:

In this time period, the subject property vicinity becomes progressively more commercially developed and less residential. In 1970 (aerial photo), a second industrial-scale structure is noted approximately 200 feet to the east of the subject property. A city block approximately 300 feet south of the subject property has been cleared and reworked. The storage yard noted in the 1961 aerial photograph approximately 500 feet east of the subject property has been extended north and northeast of the structure into an area of cleared ground. Listings in the 1972 Polk Directory on S. Lucile Street east of the site and west of Airport Way include Georgetown Service Center (659), Airport Machinery (707), Chemical Processors warehouse facility (734), Clyde's Diesel Service, Inc. (747), and Chain Saws Northwest (803). Charles Lilly Company (fertilizer manufacturer) is located approximately 800 feet north of the subject property at 5200 Denver Avenue S. Chemical Processors is also listed at 5501 Airport Way. Three additional industrial-scale structures are noted to the northeast on the 1973 topographic map. In 1973 (topomap) and 1974 (aerial photo), beyond the residential area to the south and southwest, there is a significant increase in the number of industrial-scale structures noted at a distance of 800 to 2,000 feet from the property. The subject property vicinity appears unchanged from 1974 to 1978 (aerial photo).

1983 - Present:

By 1983 the subject property vicinity is fully developed to the extent it is presently. The areas to the north, northeast, and east are commercially or industrially developed. To the south and southwest, the area is developed with a mixture of industrial and residential structures. The 1983 Polk Directory list Pacific Diesel Brake at 707 S. Lucile Street and Western Trailer Repair at 745 S. Lucile Street. Milwaukee Electric Tool Company (heavy duty electric tools) is located approximately 100 feet northeast of the subject property at 5419 Maynard Avenue South.

By 1985 (aerial photo), most of the residential-scale structures to the southwest, west, and northwest of the subject property have been replaced by industrial-scale structures. Rows of drums and aboveground tanks are visible in the 1961 aerial photo at the site noted approximately 500 feet east of the subject property. The structures adjacent to the south of the subject property are no longer present in 1992 (aerial photo). The area generally became more industrially developed between the years of 1985 and 1992.

Additional information regarding historical land use in the rectangular area within 1/4 mile crossgradient (northwest and southeast) and 1/2 mile upgradient (northeast) is summarized in the attached Table 2-1. This table lists industrial and commercial land use, based on business directories, which potentially could have included the use of hazardous materials. All other listed land use was residential or other commercial use not likely to have involved hazardous materials.

The current land use to the north of the S. Lucile Street is predominately light industrial and warehouses with an occasional residence. To the north of the property across S. Lucile Street is a one-story office building with an attached warehouse in back and a residence. Sayne-Drew/Ashe & Jones is located 200 feet northeast across Denver Avenue South. Multiple drums are stored to the north of this building within a fenced area. Chas-Lilly, a fertilizer manufacturing facility is located approximately 700 feet north of the site. To the east, Pacific Diesel Brake and Western Trailer Repair are located across 7th Avenue South. To the southeast and southwest are one-story office buildings with multiple tenants. J&D Machine and Gear, Inc., is located across Maynard Ave. South to the west. See aerial photographs in Attachment E, and see Figure 2 for locations of these sites.

3. For each adjacent property, and any commercial or industrial properties located within one mile up-gradient, up-hill, up-stream, or up-wind of the subject site, provide the following information:

Per the approval of GEAE personnel, the radius of review of commercial/industrial properties within one mile upgradient of the subject property was modified to ¼-mile based on the hydrologic separation of properties greater than ¼-mile upgradient (east-northeast) of the property from the subject property current standard of practice for Phase I Environmental Site Assessments (ASTM E 1527-93) (see Attachments B and J). Surrounding properties were assessed based on a drive-by reconnaissance within a ½-mile radius of the subject property and review of federal, state, and local lists of underground storage tanks, landfills, hazardous waste generators, treatment and storage facilities, and known releases of petroleum products and hazardous materials/wastes. The search radius for each list is based on the specifications of ASTM E 1527-93. See Attachment J for a listing of identified facilities with known hazardous waste generation and/or known or suspected releases based on agency list review. The potentially most significant property is summarized below.

Facility: Burlington Environmental (Chempro)

Owner/Operator/Tenant: Burlington Environmental

Street Address: 734 S. Lucile St.

Location (with respect to subject site): 200 feet northeast

Description of Activities:

Hazardous waste storage and treatment

Potential Hazards:

Soil and groundwater contamination

Evidence of a Release:

Monitoring wells present along 700 block of S. Lucile Street. Soil and groundwater contamination.

Sources of Information:

EPA and Ecology list and files, visual observation

4. Are there or have there ever been any disposal facilities or dump sites within one mile of the site? (If yes, describe.)

None identified within ½-mile of the site. See Attachment J for listing of identified active or abandoned landfills or open dumps based on agency list review.

5. Is there any documented or visible evidence of improper chemical or waste management on any of the neighboring sites? (If yes, identify the site and specify whether it was observed or reported by others.)

____ stressed vegetation observed at _____

(observed ____, reported by others ____)

____ stained soil observed at _____
(observed ____, reported by others ____)

____ open or leaking containers observed at _____
(observed ____, reported by others ____)

____ foul fumes or smells observed at _____
(observed ____, reported by others ____)

____ oily sheen or surface water observed at _____
(observed ____, reported by others ____)

____ unexplained depressions observed at _____
(observed ____, reported by others ____)
__X__ other (describe and identify the location and specify whether observed or reported by others)

Observed monitoring wells are located along S. Lucile Street east of 7th Ave. South. These are located to the southwest of the Burlington Environmental (Figures 1 and 2) facility and northeast of the subject property. Previous reports on file at Ecology (Attachment J) indicate approximately 30 monitoring wells are located at that property. The results of soil and groundwater sampling on this property are summarized in Module 6.

6. Do any of the neighboring sites have on site sewage disposal, such as septic systems, leach fields, dry wells, or sewage treatment plants? (If yes, identify the property and provide a brief description of the system.)

Based on agency contact, none are known to be present. Per information from the Seattle Engineering Department, this portion of the City of Seattle has been connected to the municipal sanitary and storm sewer system since 1975 (see Figure 2 and Attachment K for the sewer layout adjacent to the property).

7. Do any of the neighboring sites have a well pit, uncapped well, or abandoned well? (If yes, identify property and provide a brief description.)

Based on visual observation and review of Ecology files, none are known to be present. However, it is possible that abandoned monitoring wells may be present on or near the Burlington Environmental facility.

8. Are there any surface water bodies, drainage or run-off channels, or ditches running onto the subject site from adjoining properties? (If yes, identify the property and the source of the water.)

Based on visual observation, no surface water bodies, drainage or runoff channels, or ditches were identified to run onto the subject property from adjoining properties. Figure 2 depicts the flow pattern of surface runoff on the subject property.

9. List any environmental permits the neighboring facilities have which govern air emissions, underground storage tanks, waste water discharges, injection wells, solid waste disposal etc., including those from local,

county, state, or federal environmental agencies.

Based on review of agency lists and telephone contacts with agency personnel, neighboring facilities have no permits for hazardous waste generation landfills, USTs, wastewater discharges, or air emission, except as outlined below.

Facility	*Permit*	*Authority*
Burlington Env.	RCRA TSD	U.S. EPA and WA Dept. of Ecology
Western Trailer	RCRA GEN	U.S. EPA and WA Dept. of Ecology
Burlington Env.	Wastewater	Metro
Pioneer Enamel	Wastewater	Metro

10. Do any of the neighboring facilities have a history of permit or other regulatory violations? (If yes, identify the facility and describe the violations.)

No violations were identified by agency list review or agency contact, except as outlined below.

Facility	*Permit*	*Regulatory Authority*
Burlington Env.*	RCRA	U.S. EPA and WA. Dept.of Ecology
Preservative Paint	Waste Water	Metro

* = Burlington Environmental - soil and groundwater contamination, various storage/operational violations.

ATTACHMENT D

Material Safety Data Sheet Summary

GE Aircraft Engines - SCMC/Seattle

637 So. Lucile St.

Seattle, WA 98108

No.	Description:	No.	Description:	No.	Description:
2	00499 EDM Fluid	234	LPS(R) 2 General Purpose Lubricant	402	Tapmatic #2 Cutting Fluid
3	00561 Way Lubricant 68	240	Hysol M-9-N	405	Tetra-Etch(r) Etchant
15	Polyuretane Catalyst, X-310A	241	Hysol M-O-N Black	415	Toluene
25	Dow Corning (R) 3140 RTV Coating	244	Methyl Ethyl Ketone	418	TP-35 Solvent
34	Hysol 50-301 R	247	MIL-C-22750 Epoxy Catalyst, Class 1	420	Trichlorethan 111 Degrs Cold/V
35	565 Cleaning Solvent	251	Mineral Spirits 4% Aromatics Max	421	Triethylenetetramine
43	73X White Marking Ink	254	Hysol M-9-N	423	Trim(R) Sol
54	Acetone	255	Mobil DTE Oil Heavy	430	TT-P-1757 Comp. L (Green or Yellow)
56	Acrylic Enamel Reducer DTR601	264	Withrow Moly-Dee Tapping Fluid	431	Vantrol 236
57	Adhesive Sealant 220	268	MS 122 Fluorocarbon Release Agent	441	White Stop-Off Binder
60	290 Adhesive/Sealant	271	MS-180/CO2 TF Solvent	445	Zinc Chromate Primer Coating
72	Ammonium Bifluoride	273	MS-190 Flux Remover	450	Epibond 1210 A
78	Black Max (TM) Black Tough Adhesive	280	Neutracleaner #1	454	Dow Corning(R) 1204 RTV Prime Coat
90	Calcium Hydroxide	282	Nicrobraz Green Stop-Off (Type I)	466	Catalyst for 463-12-8
111	Conathane CE-1155 Urethane Prepolymer Part A	285	Hydrogen Nitrate: Aqua Fortis; Azotic Acid; Reagent 69.7% RA Stripper	467	Epoxy/TC Gloss Orange 595B-12197
118	Delthane Ultra - DXR80	289	Nut Lock Grade CV	493	Screw Lock Grade EV
124	Dow Corning (R) 281 Adhesive	295	PFS-707	504	1500 Thinner
126	Dow Corning (R) 3145 Adhesive/Sealant - gray	303	Polar Chip 350-L	505	"282" Flux Cored Solder
139	Eccosil A15TF7B3, Part A	311	Power Kleen 500	510	Isopropyl Alcohol
140	Eccosil A15TF7B3, Part B	313	Inorganic Dichromate Solution	514	Stoddard Solvent, Type III
145	Electrolyte Formula B10	321	PSA590 Polysiloxane	517	ACL Inc. Conductive Cleaner #6001 / #6002
148	Electrolyte Formula MSC1	330	RTV 102 Silicone Rubber Sealant	519	Scotch-Weld(TM) 2216 B/A Part A Gray Epoxy Adhesive
152	Enstrip (R) GT-317A	331	RTV 106 Silicone Rubber Sealant	523	WESGO Metal Products & Alloys - See Table 1
153	Enstrip (R) GT-317B	332	RTV 108 Silicone Rubber Sealant	524	Freez-It Antistat(R)
154	Enstrip (R) GT-317C	333	RTV 109 Silicone Rubber Sealant	526	MIL-P-23377F Ty II Green Comp A Epoxy-Polyamide Primer
158	Epon Curing Agent (R) V-25	334	RTV 11 Silicone Rubber Sealant	527	Stycast 2651Black
159	Epon (R) Resin 828	335	RTV 112 Silicone Rubber Sealant	544	MIL-T-81772A (AS) Type 2 Epoxy Thinner

Material Safety Data Sheet Summary

GE Aircraft Engines - SCMC/Seattle

637 So. Lucile St.

Seattle, WA 98108

No.	Description:	No.	Description:	No.	Description:
170	FC-77 Fluorinert Brand Electronic Liquid	336	RTV 188 Silicone Sealant	547	Swab Etching Solution, Class B
176	Flamarest 1400S, Component C	337	RTV 162 Silicone Rubber Sealant	549	Glyptal
178	Flamarest 1600B/BTX, Component B	339	RTV 60 Silicone Rubber	554	Extend(R) Rust Treatment
186	Glyptal	340	RTV 615A Silicone Potting Compound	555	Swab Etching Solution, Class F
191	Handy Flux, Type B-1, AWS Class 3C	343	Marco S-1141 Dye Ink - Black, Blue, Red, Brown, Purple, Green	561	Silver-Copper-Tin-Zinc Brazing Alloys
196	Dubl-Chek Penetrant HM604, HM607, HM707 and HM704	350	Scotch-Grip(R) Plastic Adhesive 2262	567	Chemask
197	Houghto-Draw 3377	353	Scotch-Weld(TM) 2214 Non-Metallic Filled Epoxy Adhesive	585	Caustic Soda-Beads
199	Hydrochloric Acid	354	Scotch-Weld(R) Epoxy Adhesive 2214 Hi-Temp	587	Dirl-Lum 603
206	Hysol HD3404	370	Small Screw Threadlocker 222	646	Locquic(R) Primer Grade N
207	Hysol HD3615	375	SS4004 Polysiloxane	647	G624 Silicone Grease
209	Isopropanol 99%	377	SS4120 Solvent		
232	Loctite (R) Primer T (Aerosol)	382	Stycast 2662		
233	LPS(R) 1 Greaseless Lubricant	390	Sulfuric Acid		

E

ATTACHMENT E

Purchased Chemical History

GE Aircraft Engines - SCMC / Seattle
637 So. Lucile St.
Seattle, WA 98108

The following chemical purchase history summary was compiled and developed using an AX/IOM Specialty Component Manufacturing Center / Seattle Purchase Order History detailed report printed June 13, 1994, historic information compiled and general knowledge of the author. The AX/IOM SCMC Purchase Order History detailed report is stored in Record Stroage Box 0-000-885-660 and will be retained by Business Information Systems, Cincinnati, OH.

The AX/IOM detailed report was reviewed for those elements which could be descriptively recognized or known to be liquid or semi-liquid chemical compounds. Further determinations were made using an AX/IOM Part Master File and cross-referencing the part numbers, descriptions, or inferences to the expense account number in the part number field.

Material Safety Data Sheets (MSDS's) were reviewed as applicable and available for density/specific gravity values. Mass calculations were derived and the total weights were output in pounds as a common unit of measure.

Raw materials such as steel, stainless, copper, and/or other feed stocks and normal hardware and associated parts were excluded from the data summation.

Data was compiled for the operating period of the facility from 1986 through the term of production operations, March 30, 1994, and the compilation specifically excluded elements reported for other GE Aircraft Engines, SCMC/Seattle facilities.

Data gaps in the Purchase Order History printout included zero quantities, missing information, and mixed part number and part description information. Zero value entries were ignored, various descriptive information was resolved by similarity, and common weight units were calculated.

This estimate is intended to provide a representation of the chemical usage from 1986 through 1994 and while it is extensive, it is not an exhaustive study. Assumptions for various elements of the data search include estimations of specific gravity/density of individual chemical compounds based on similarity to other compounds and specific gravity default values of 1.0 for those compounds lacking available data.

g:\slw\ge\chemhis_2.wp

[redacted] Purchased Chemical History [redacted]

GE Aircraft Engines - SCMC / Seattle
637 So. Lucile St.
Seattle, WA 98108

Sum of Net Weight - Pounds	Year								
Category	1986	1987	1988	1989	1990	1991	1992	1993	1994
adhesive	0	0	45	0	27	265	31	299	1
braze	0	0	1,972	0	0	0	2,125	602	0
chem-111TCA	15,026	2,575	1,200	1,770	7,800	4,200	8,400	600	0
chem-acetone	0	1,071	0	4,998	4,284	1,980	720	0	5
chem-acid	0	501	3,697	88	904	2,463	2,048	564	0
chem-cal_hydr	0	24	0	0	0	0	0	0	0
chem-caustic	0	3	0	0	0	2	0	50	0
chem-EDM	0	781	781	0	0	0	0	0	0
chem-FPI	0	0	0	0	0	0	456	0	0
chem-freon	0	0	0	0	258	66	402	105	0
chem-h20	0	0	0	51	0	0	0	0	0
chem-IPA	0	0	169	0	196	230	243	304	101
chem-MEK	0	0	67	366	366	739	732	233	67
chem-Met_Alc	0	0	0	7	0	0	0	0	0
chem-Met_Chl	0	0	0	11	0	0	0	0	0
chem-Mineral	0	0	0	0	0	462	0	0	0
chem-toluene	0	0	0	0	0	37	37	7	0
chem-triethyl	0	0	0	0	0	8	8	8	0
chem-xylene	0	0	0	0	0	30	0	0	0
chemical	0	341	503	141	0	0	0	0	0
cleaner	13	684	25	0	179	18	259	107	0
coolant	465	2,077	1,992	0	0	0	0	0	0
epoxy	0	0	78	2	348	414	325	285	44
flux	0	0	50	0	366	169	117	116	58
ink	0	0	0	118	46	38	90	56	6
lubricant	12	2,438	1,156	608	170	1,798	94	146	126
misc	0	0	0	0	2	4	57	14	0
paint	82	0	303	214	1,447	1,149	1,421	340	116
potting	0	0	0	0	0	2	1	0	0
sealant	0	13	182	131	1,849	1,322	1,265	1,368	95
soap	0	0	128	0	168	175	1,049	484	0
solder	0	0	32	0	0	0	233	29	0
solvent	0	0	49	220	1,209	964	1,529	379	220
wire	0	687	563	0	0	0	7	0	0
Grand Total	15,598	11,194	12,991	8,724	19,619	16,535	21,651	6,096	839
Total - All Categories	113,247								

F

ATTACHMENT F

c. What kinds of wastes (hazardous and/or non-hazardous) or by-products are to be generated in the future on site? What will be the method of handling (disposal, treatment, recycling) of such wastes? If hazardous please supply RCRA code number if applicable. Use the chart below, copy as needed.

No future wastes. Facility to be closed. See Attachment M for RCRA code numbers

Waste or By-Product	*Hazardous?*	*Source*	*Method of Handling*	*Annual Volume*
1,1,1 TCA	Yes	Vapor degreaser	Disposal	400 - 600gallons
MEK, Acetone, Toluene	Yes	Parts cleaning	Disposal	< 50 gallons
Paints	Yes	Parts painting	Disposal	30 gallons
Paint Thinner/ Solvent	Yes	Parts painting	Disposal	110 gallons
Phosphoric Acid	Yes	Metal cleaning (Summa)	Disposal	2,500 lbs.
Misc. oils & lubricants	Yes	Machining and general operations	Disposal	<100 gallons
Sodium Hydroxide	Yes	Chemical clean line	Disposal	10,700 lbs.
Phosphoric Sulfuric Acid	Yes	Chemical clean line	Disposal	6,500 lbs.
Nitric Acid	Yes	Chemical clean line	Disposal	5,600 lbs.
Sodium Chromate and Sodium Nitrate	Yes	Chemical clean line	Disposal	1,900 lbs.
Hydrochloric/ Hydrofluoric Acids	Yes	Chemical clean line	Disposal	600 lbs.
Sandblast grit.	No	sandblast room	trash dumpster	100 lbs.
Plasma.	No	plasma spray booth	trash dumpster	unknown
Scrap Metal.	No	machining/sheet metal	recycling	unknown
Paper and other general waste	No	office	trash dumpster	unknown
Lab pack and other debris	Yes	general operations	disposal	200 lbs.

G

ATTACHMENT G

Facility History

GE Aircraft Engines - SCMC / Seattle
637 So. Lucile
Seattle, WA 98108
WAD 980-725-006

Date:	Reference:	Description:
1981:		
01-30-81:	Lease:	Original Lease entered 1-30-1981 with term through 1-31-84. GE leased 22,500 sq. ft. on the South half of the building with an option to extend the lease three (3) additional years. Area was previously occupied by the James S. Robins Co. Lile International occupied the North half of the building. Original mailing address: 663 So. Lucile (south half of building).
1982:		
09-23-82:	Lease:	Lease amended 9-23-82. GE added 22,660 sq. ft. to their leased area. Lease term extended to 12-31-1985. This addition was formerly occupied by Lile International.
1983:		
03-30-83:	Form 2 Notification:	Original notification. Waste indicated as: sodium hydroxide + Sodium Cresylate, D002, F004, 200 gallons; Nitric Acid + Hydroflouric Acid, D002, U134, 200 gallons; Sodium Hydroxide, D002, 200 gallons; Sodium Chromate + Sodium Nitrate, D007, 200 gallons; Sodium Hydroxide + Sodium Chromate, D002, D007, 200 gallons; Potassium Permanganate, D002, 200 gallons; Phosphoric Acid, D002, 200 gallons; Nitric Acid, D002, 500 gallons; Oxalic Acid, D002, 200 gallons; 1,1,1-Trichloroethane, F001, 200 gallons; and Sodium Hydroxide + Sodium Silicate, D002, 200 gallons.
06-25-83:	METRO pretreatment:	Pretreatment Baseline Report - Electroplating Category - 40CFR 413. Report certifies standards of pretreatment are being met and that pretreatment is not required. Ref. Record Storage Box (RSB) 0-000-885-662, file "Seattle/ASO Pretreatment General".
1984:		
04-27-84:	POTW Permit:	Draft permit #7211 application. Ref. RSB 0-000-885-648, file "METRO/Plant 2 Permit History."
10-10-84:	POTW Monitoring:	Letter from METRO indicating compliance status. Ref. RSB 0-000-885-64, file "Plt 2 METRO Monitoring - 9184-1990."

Facility History

GE Aircraft Engines - SCMC / Seattle
637 So. Lucile
Seattle, WA 98108
WAD 980-725-006

Date:	Reference:	Description:
1985:		
01-08-85:	POTW Permit:	Permit #7211 issued. Ref. RSB 0-000-885-648, file "METRO/Plant 2 Permit History."
01-15-85:	METRO Permit:	Received notification from the Municipality of Metropolitan Seattle, (METRO), with a signed copy of the approved discharge permit No. 7211. Ref. RSB 0-000-885-662 file "Seattle/ASO Pretreatment General".
02-27-85:	Form 4 Notification:	1984 Generator Annual Dangerous Waste Report declares no waste generation at the site in 1984.
05-07-85:	Form 2 Notification:	Denoted as generator only. Waste includes: Cee Bee C-46 alkaline cleaner, caustic soda, sodium metasilicate, D002, 120 pounds; Cee Bee J-88A alkaline cleaner, caustic soda & potassium permanganate, D002, 120 pounds; Cee Bee J-84A alkaline cleaner & sodium hydroxide, D002, 120 pounds; Turco 4215, sodium borate, silicofluoride alkaline, sodium nitrate, D007, 120 pounds; Nitric acid, D002, 120 pounds; 1,1,1-trichloroethane, F002, D001, 80 pounds; Turco 4104 Hydrofluoric acid, ammonium bifluoride, U134, D002, 120 pounds; Acetone, F003, D001, U002, 80 pounds; Methyl Ethyl Ketone, F005, D001, 20 pounds; Turco 4316, sodium hydroxide, sodium chromate, D002, D007, 120 pounds. Estimated batch frequency of 3 years.
09-04-85:	Waste shipment:	30 gallons of waste nitric acid oxidizer, 15 gallons of waste nitric acid corrosive, 30 gallons of waste hydrofluoric acid corrosive, and 220 gallons of waste 1,1,1-Trichloroethane shipped to ChemPro, WAD 000-812-909.
09-09-85:	Waste shipment:	330 gallons of waste alkaline cleaner and 55 gallons of waste 1,1,1-Trichloroethane shipped to ChemPro, WAD 000-812-909.
12-09-85:	Lease:	Lease renegotiated. Term: 1-1-86 through 12-31-88.
1986:		
01-30-86:	Waste shipment:	110 gallons of waste sodium hydroxide solutions shipped to ChemPro, WAD 000-812-909.

Facility History

GE Aircraft Engines - SCMC / Seattle
637 So. Lucile
Seattle, WA 98108
WAD 980-725-006

Date:	Reference:	Description:
02-07-86:	Waste shipment:	110 gallons of waste hazardous liquid, NOS, 550 gallons of waste nitric acid oxidizer, and 275 gallons of waste 1,1,1-Trichloroethane shipped to ChemPro, WAD 000-812-909.
02-19-86:	Waste shipment:	550 gallons of waste nitric acid shipped to ChemPro, WAD 000-812-909.
02-27-86:	Form 4 Notification:	1985 Generator Annual Dangerous Waste Report denotes: Waste nitric acid oxidizer D002, D007, D004, 225 pounds; Waste nitric acid corrosive material, D002, D008, 170 pounds; Waste hydrofluoric acid corrosive material, D002, 255 pounds; 1,1,1-Trichloroethane, F002, 1600 pounds; waste alkaline cleaner, D002, 3450 pounds; and 1,1,1-Trichloroethane, F002, 400 pounds.
02-27-86:	Form 5 Notification:	TSD Facility Annual Dangerous Waste Report denotes 'no regulated waste were treated, stored, or disposed of at this site'.
07-16-86:	Waste shipment:	220 gallons of waste hydrofluoric acid solution shipped to ChemPro, WAD 000-812-909.
10-09-86:	Production:	Purchase Order 50105 for multiple stages of titanium and steel blades and vanes.
12-19-86:	POTW Monitoring:	Letter to METRO indicating compliance status for discharge authorization #7211. Ref. RSB 0-000-885-648, file "METRO - Plt 2 86' Monitoring."
1987:		
01-05-87:	Production:	Purchase order 50422 for balancing services on CF6-50 Air Duct. Commonly referred to as (compressor rotor air-duct).
01-13-87:	POTW Monitoring:	Letter to METRO indicating compliance status for discharge authorization #7211. Ref. RSB 0-000-885-648, file "METRO - Plt 2 87' Monitoring."
02-27-87:	Form 4 Notification:	1986 Generator Annual Dangerous Report denotes waste: sodium hydroxide-corrosive-metal cleaning, D002, 642 pounds; 1,1,1-Trichloroethane-parts degreasing, F001, 2,819 pounds; nitric acid-corrosive-metal part cleaner, D002, 4,770 pounds; sodium hydroxide-corrosive-metal parts cleaner, D002, 954 pounds; nitric acid-corrosive-

Facility History

GE Aircraft Engines - SCMC / Seattle
637 So. Lucile
Seattle, WA 98108
WAD 980-725-006

Date:	Reference:	Description:
		metal part cleaner, D002, 5,204 pounds; nitric acid-corrosive-metal part cleaner, D002, WT02, 1,718 pounds; and 1,1,1-trichloroethane-parts degreasing-recycled on-site, F007, 8,052 pounds. Comments indicate on-site recycling, which occurred between July 3, 1986 and December 31, 1986. Prior to July 3, 1986, GE was exempt from reporting under WAC 173-303-017(2)(a).
05-03-87:	Facility:	Purchase Order 52265 to Northwest Electric for installation of 30 high bay lights.
08-03-87:	POTW Monitoring:	Letter from METRO indicating compliance status. Ref. RSB 0-000-885-64, file "Plt2 METRO Monitoring - 9184-1990."
10-05-87:	Environmental Audit:	Environmental Assessment performed at all plants. Ref. RSB 0-000-885-652, file "PULSE Audit 10/5/87."
1988:		
01-15-88:	POTW Monitoring:	Letter to METRO indicating compliance status for discharge authorization #7211. Ref. SB 0-000-885-648, file "METRO - Plt 2 88' Monitoring."
03-1-88:	Form 4 Notification:	1987 Generator Annual Dangerous Waste Report denotes: 'No dangerous waste generated or removed from this site during 1987'.
03-03-88:	Waste shipment:	250 gallons of waste acid liquid, 150 gallons of waste 1,1,1-Trichloroethane and 50 gallons of waste acid liquid shipped to ChemPro, WAD 000-812-909.
06-08-88:	POTW Monitoring:	Letter from METRO indicating compliance status. Ref. RSB 0-000-885-648, file "Plt 2 METRO Monitoring - 1984-1990."
06-27-88:	OSHA Inspection:	Washington State OSHA (WISHA) inspection. Ref. RSB 0-000-885-652, file "Inspection-WISHA 6-27-88."
07-05-88:	OSHA Inspection:	Washington State OSHA (WISHA) inspection performed. Ref. RSB 0-000-885-652, file "Inspection-WISHA 07-05-88."
10-12-88:	Waste shipment:	200 gallons of waste acid liquid and 200 gallons of waste acid liquid shipped to ChemPro, WAD 000-812-909.

Facility History

GE Aircraft Engines - SCMC / Seattle
637 So. Lucile
Seattle, WA 98108
WAD 980-725-006

Date:	Reference:	Description:
11-18-88:	Lease:	Lease renegotiated. Term: 1-1-89 through 12-31-91 with 3 year option.
1989:		
01-13-89	POTW Monitoring:	Letter to METRO indicating compliance status for discharge authorization #7211. Ref. SB 0-000-885-648, file "METRO - Plt 2 89' Monitoring."
03-01-89:	Form 4 Notification:	1988 Generator Annual Dangerous Waste Report denotes wastes of: 1,1,1-Trichloroethane, F001, 1,501.2 pounds; mixture of acetic, hydrofluoric, and nitric acids with chromium and arsenic contamination, D002, D004, D007, 458.7 pounds; mixture of phosphoric and sulfuric acids with chromium contamination, D002, D007, 2,066.7 pounds; mixture of phosphoric and sulfuric acids with arsenic, chromium and selenium contamination, D002, D004, D007, D010, 1,513.8 pounds; and a mixture of phosphoric and organic acids with selenium contamination, D002, D010, 2,018.4 pounds.
03-31-89:	POTW Monitoring:	Letter from METRO indicating compliance status. Ref. RSB 0-000-885-648, file "Plt 2 METRO Monitoring - 9184-1990."
04-07-89:	POTW Monitoring:	Letter from METRO indicating compliance status. Ref. RSB 0-000-885-648, file "Plt 2 METRO Monitoring - 9184-1990."
4-17-89:	Facilities:	Purchase order 60509 to Halstead General Contractor for construction of office space. Includes multiples changes and additions.
4-13-89:	Facilities:	Purchase order 60432 to Nelson Trucking, multiple machinery moves and relocations between buildings. In-flux of equipment from Ft. Wayne to plant 2 (Thermotron heating and cooling chambers).
05-05-89:	Paint Booth:	A Notice of Construction was approved by the Puget Sound Air Pollution Control Board for relocation of the paint booth. Ref. RSB 0-000-885-661, file "AIR-PSAPCA-Air Permit Paint Booth."
06-18-90:	POTW Compliance:	A letter from METRO requesting TTO Compliance Certification. Ref. RSB 0-000-885-648, file "METRO TTO & Solvent Mgmt Plan."
07-31-89:	Waste shipment:	150 gallons of waste acid liquid shipped to ChemPro, WAD 000-812-909.

Facility History

GE Aircraft Engines - SCMC / Seattle
637 So. Lucile
Seattle, WA 98108
WAD 980-725-006

Date:	Reference:	Description:
08-01-89:	Occupancy:	GE AE Plant 3 production operations relocated to plant 2 - 637 So. Lucile. (Date unspecified).
09-01-89:	Occupancy:	GE AEFS Group relocates from 637 S. Lucile to 540 So. Front St. (Date unspecified).
09-08-89:	Facilities:	Purchase order 62075 to Northwest Electric Co. to provide vapor degreaser wiring installation.
09-14-89:	OSHA Inspection:	Washington State OSHA (WISHA) inspection of all facility. Ref. RSB 0-000-885-652, file "Inspection-WISHA 9/14/89.
10-03-89:	Waste shipment:	250 gallons of waste alkaline liquid, 250 gallons of waste sodium hydroxide solution, 200 gallons of hazardous waste liquid, and 200 gallons of waste sodium hydroxide solution shipped to ChemPro, WAD 000-812-909.
10-03-89:	Lease:	Kirk Building: Original lease dated 10-3-89. Term: 10-16-89 through 11-30-92. 3500 sq. ft. of building located directly south of 637 So. Lucile.
12-29-89:	Waste shipment:	450 gallons of waste acid liquid and 50 gallons of waste acid liquid shipped to ChemPro, WAD 000-812-909.
1990:		
01-08-90:	POTW Permit:	Permit #7211 re-issued. Ref. RSB 0-000-885-648, file "METRO/Plant 2 Permit History."
03-01-90:	Form 4 Notification:	1989 Generator Annual Dangerous Waste Report denotes waste of: phosphoric and sulfuric acid from metal cleaning, D002, D007, D004, D009, D010, 1,198.8 pounds; phosphoric acid and organic acids from metal cleaning, D002, D010, 992.5 pounds; nitric acid and water from metal cleaning, D002, D009, D007, D010, 5,610.6 pounds; sodium hydroxide from metal cleaning, D002, D008, D007, D009, D010, 2,981.5 pounds; sodium hydroxide and potassium permanganate metal cleaning, D002, D010, D009, 2,658.5 pounds; sodium chromate and sodium nitrate from metal cleaning, D007, D010, D009, 1,926.4 pounds; sodium hydroxide from metal cleaning, D002, D009, D007, D010, 2,085.0 pounds; sodium hydroxide and sodium chromate from metal cleaning, D002, D009, D007, D010, 2,981.5 pounds; 1,1,1-

Facility History

GE Aircraft Engines - SCMC / Seattle
637 So. Lucile
Seattle, WA 98108
WAD 980-725-006

Date:	Reference:	Description:
		trichloroethane from degreasing, F001, D008, D007, D009, D010, 550.4 pounds; phosphoric and sulfuric acid from metal cleaning, D002, D009, D007, D010, 4,363.9 pounds; and hydrochloric, hydrofluoric and nitric acids from metal cleaning, D002, D008, D004, D009, D007, D010, 593.3 pounds.
04-18-90:	Waste shipment:	500 pounds of hazardous waste solid, 500 pounds of waste corrosive solid, 500 pounds of waste oxidizer corrosive solid and 500 pounds of waste sodium hydroxide shipped to ChemPro, WAD 000-812-909.
07-03-90:	Waste shipment:	90 gallons of waste acid liquid and 50 gallons of waste 1,1,1-trichloroethane shipped to ChemPro, WAD 000-812-909.
08-23-90:	Waste shipment:	150 gallons of waste acid liquid shipped to ChemPro, WAD 000-812-909.
10-03-90:	POTW Monitoring:	Letter from METRO indicating compliance status. Ref. RSB 0-000-885-648, file "Plt 2 METRO Monitoring - 9184-1990."
11-15-90:	POTW Monitoring:	Letter to METRO indicating compliance status for discharge authorization #7211. Ref. RSB 0-000-885-648, file "METRO - Plt 2 90' Monitoring."
11-16-90:	Waste shipment:	100 gallons of waste acid liquid shipped to ChemPro, WAD 000-812-909.
12-26-90:	Waste shipment:	55 gallons of waste paint, 10 gallons of non-regulated material, 45 gallons of waste cleaning compound, 15 gallons of waste petroleum distillate, 29 pounds of waste flammable liquid, 31.4 gallons of waste flammable liquids, 27.1 gallons of waste flammable liquids, 25 gallons of waste flammable liquid, 10 pounds of waste flammable liquid corrosives, 2.9 gallons of waste compressed gas, 6 pounds of waste hydrofluoric and sulfuric acid, 8 pounds of waste corrosive liquid, 11.25 pounds of waste oxidizer, 16 gallons of waste ORM-A, 53.1 gallons of waste non-RCRA liquids, and .5 pounds of non-RCRA solids shipped to ChemPro, WAD 000-812-909.
1991:		
01-03-91:	POTW Permit:	Permit #7211 cancelled. Ref. RSB 0-000-885-648, file "METRO/Plant 2 Permit History."

Facility History

GE Aircraft Engines - SCMC / Seattle
637 So. Lucile
Seattle, WA 98108
WAD 980-725-006

Date:	Reference:	Description:
02-13-91:	POTW Permit:	Letter from METRO reinstating Permit #7211 cancelled on 12-28-90. Ref. RSB 0-000-885-648, file "METRO/Plant 2 Permit History."
02-15-91:	Air registration:	Letter from Puget Sound Pollution Control Agency (PSAPCA) denoting Annual registration for Registration # 28468. Ref. RSB 0-000-885-661, file "AIR-PSAPCA-Registration."
02-20-91:	Waste shipment:	40 gallons of waste acid liquid shipped to ChemPro Kent facility, WAD 991-281-767.
03-01-91:	Form 4 Notification:	1990 Generator Annual Dangerous Waste Report denotes waste of: sodium tetraborate / sodium phosphate / sodium chromate, D007, 500 pounds; sodium hydroxide / sodium metasilicate-oxidizer, D002, D001, 500 pounds; sodium hydroxide / potassium permanganate-metal cleaner, D002, 500 pounds; sodium hydroxide solid, D002, 500 pounds; phosphoric acid / water, D002, 1,147 pounds; sodium hydroxide / sodium chromate, D002, D007, 3,000 pounds; sodium hydroxide solid-metal cleaner, D002, 500 pounds; phosphoric and sulfuric acid-arsenic, chrome, mercury, selenium, D002, D007, D004, D009, 719 pounds; 1,1,1-trichloroethane-chrome, lead, mercury, selenium, F001, D008, D007, D009, 250 pounds; phosphoric and sulfuric acid-arsenic / chrome / mercury / selenium, D002, D007, D004, D009, 1,343 pounds; phosphoric and sulfuric acid-arsenic / chrome / mercury / selenium, D002, D007, D004, D009, 1,055 pounds; phosphoric acid / butyl cellosolve / water, D002, WT01, D001, 432 pounds; mixed oil-based paints-alkyd resin / mineral spirits, D001, WT02, D008, 413 pounds; petroleum oil / aliphatic-petroleum distillates, D001, WT02, 113 pounds; labpack ORM-A EHW materials, WL01, WP01, 60 pounds; labpack-non-RCRA, Washington State regulated materials, WL02, 237 pounds; labpack-flammable liquids, D001, WL02, 313 pounds; labpack-flammable, poisonous, D001, WL01, 29 pounds; labpack-compressed gas, flammable, D001, WL02, 6 pounds; labpack-flammable corrosive, D001, D002, WL02, 10 pounds; labpack-oxidizer, D001, D002, WL02, 11 pounds; labpack-corrosive poison liquids, D002, D003, WL02, 8 pounds; and labpack-corrosive acid liquids, D002, WL02, 6 pounds.
04-01-91:	Waste shipment:	165 gallons of waste acid liquid and 110 gallons of waste 1,1,1-trichloroethane shipped to ChemPro Kent facility, WAD 991-281-767.

Facility History

GE Aircraft Engines - SCMC / Seattle
637 So. Lucile
Seattle, WA 98108
WAD 980-725-006

Date:	Reference:	Description:
04-22-91:	POTW Permit:	Letter to METRO requesting permit #7211 closure. Ref. RSB 0-000-885-648, file "METRO/Plant 2 Permit History."
04-24-91:	POTW Permit:	Telephone conversation METRO/GE effectively closing permit #7211. Ref. RSB 0-000-885-648, file "METRO/Plant 2 Permit History."
05-22-91:	Facility:	Purchase order 69889 to Atlas Applicators Co. to manufacture SUMMA drip pans and air flow ventilation system.
06-21-91:	Waste shipment:	55 gallons of waste acid liquid shipped to ChemPro, WAD 000-812-909.
07-29-91:	Facilities:	Begin relocation of the VFS vacuum furnace to 220 So. Dawson.
08-06-91:	Waste shipment:	110 gallons of waste acid liquid shipped to ChemPro, WAD 000-812-909.
08-07-91:	Facilities:	Northwest Electric provided wiring services on the relocated T-700 Test Stand.
09-25-91:	Waste shipment:	7 gallons of waste alkaline liquid, 0.4 gallons of waste flammable liquid, 3.8 gallons of waste flammable liquid, 27 gallons of waste flammable liquid, 162 pounds of flammable liquid, 44 pounds of hazardous waste liquid shipped to ChemPro, WAD 000-812-909.
10-31-91:	Waste shipment:	55 gallons of waste acid liquid shipped to ChemPro, WAD 000-812-909.
11-11-91:	Facilities:	Relocated the F-110 Test Stand.
1992:		
02-14-92:	Air registration:	Letter from Puget Sound Pollution Control Agency denoting Annual registration for Registration # 28468. Ref. RSB 0-000-885-661, file "AIR-PSAPCA-Registration."
02-24-92:	Form 2 Notification:	Revised notification. Waste listed as: Phosphoric acid, D002, D004, D007, WT02, 1,900 pounds; 1,1,1-trichloroethane, F001, D007, D008, WP01, 1,900 pounds; MEK / Acetone mixture, F005, D001, F003, 700 pounds; Waste paint, D001, D008, WT02, 400 pounds; and lab

Facility History

GE Aircraft Engines - SCMC / Seattle
637 So. Lucile
Seattle, WA 98108
WAD 980-725-006

Date:	Reference:	Description:
		pack materials, D001, WT01, D002, WP01, 700 pounds. Batch quantity denoted as 470 pounds per month.
02-25-92:	Form 4 Notification:	1991 Generator Annual Dangerous Waste Report denotes waste of: phosphoric acid-arsenic, chromium, nickel, zinc, copper, D002, D004, D007, 275 pounds; phosphoric acid-arsenic, chromium, nickel, zinc, copper, D002, D004, D007, 1,514 pounds; and 1,1,1-trichloroethane-chrome, lead, mercury, selenium, F001, D007, D008, D009, D010, 813 pounds; phosphoric acid-arsenic, chromium, nickel, zinc, copper, D002, D004, D007, 477.05 pounds; phosphoric acid-arsenic, chromium,nickel, zinc, copper, D002, D004, D007, 954.10 pounds; labpack-ORM E (EHW designation) WL01, 44 pounds; labpack-flammable liquids, WL02, D001, 115.59 pounds; labpack - EHW flammable liquids, WL01,D001, 162 pounds; labpack-flammable corrosive, WL02, D001, D002, 1.5 pounds; and labpack-corrosive alkalines, WL02, D002, 26.27 pounds; phosphoric acid-arsenic, chromium, nickel, zinc, copper, D002, D004, D007, 477.05 pounds shipped to Burlington Environmental, Inc.
02-28-92:	Waste shipment:	55 gallons of waste 1,1,1-trichloroethane and 55 gallons of waste acid liquid shipped to ChemPro, WAD 000-812-909.
02-28-92:	Lease:	Lease amended. Term: 1-1-92 through 2-28-93 with a five year option from 6-1-92 through 5-31-97.
03-11-92:	OSHA Inspection:	Washington State OSHA (WISHA) inspection of all facility. Ref. RSB 0-000-885-652, file "Inspection-WISHA 4/9/92."
03-17-92:	Waste shipment:	55 gallons of waste flammable liquid and 55 gallons of waste MEK mixture shipped to ChemPro Kent facility, WAD 991-281-767.
06-03-92:	Waste shipment:	1.0 pound of waste flammable liquid, 27.5 gallons of waste flammable liquid, 12 gallons of waste coating solution, 1.5 pounds of waste compressed gas, 3.2 pounds of waste oxidizer, 1.0 gallon of waste corrosive liquid, 11.4 pounds of waste corrosive liquid, 17.25 pounds of hazardous waste liquid, 20.6 pound of non-RCRA waste liquid, and 2.0 pounds of non-RCRC waste liquid shipped to ChemPro, WAD 000-812-909.
06-16-92:	Facility:	Ventilation stations added at Plant 2. Plant Appropriation Request (PAR) 9705GW.

Facility History

GE Aircraft Engines - SCMC / Seattle
637 So. Lucile
Seattle, WA 98108
WAD 980-725-006

Date:	Reference:	Description:
06-16-92:	Facility:	Closed PAR for SRD-MIPS-F110 environmental chamber. PAR 9705HB.
07-08-92:	Facility:	Acid cabinets added in controls test area. PAR 9705HP.
07-20-92:	Waste shipment:	110 gallons of waste acid liquid and 410 pounds of hazardous waste solid shipped to ChemPro, WAD 000-812-909.
07-29-92:	Lease:	Initiated PAR for five year lease renewal. PAR 9705HW.
08-24-92:	Lease:	Amended lease. Term: 9-1-92 through 8-31-97.
08-31-92:	Lease:	Kirk Building, 666 So. Homer, Seattle, WA. 98108: Amended lease: Parking lot term: 12-01-92 through 11-30-97; building term: 12-01-95 through 11-30-97.
09-25-92:	Waste shipment:	55 gallons of waste corrosive liquids and 320 pounds of hazardous waste solids shipped to Burlington Environmental, Inc. WAD 000-812-909.
11-19-92:	Facility:	Open PAR 9705HQ for CT7-T700 ESS DEC Test Stand modification.
11-19-92:	Facility:	Initiated Plant 2 interior remodel project. PAR 9705DW.
11-19-92:	Facility:	Added ergonomic seating in the controls repair-test areas. PAR 9705JH.
11-19-92:	Facility:	Completed plasma cutting system used on water tank stainless tubing cut-off operations. PAR 9705HR.
12-04-92:	Facility:	Paint cleaning system initiated by Chris Stockwell. PAR 9705JN. Used in Plant 2 paint booth area.
12-08-92:	Facility:	Microscope repair system initiated by Steve Bailey. PAR 9705JP. Used in plant 2 electronic repair and test.
12-09-92:	POTW Permit:	Letter from METRO indicating cancellation of permit #7211 effective 4-24-91. Ref. RSB 0-000-885-648, file "METRO/Plant 2 Permit History."

Facility History

GE Aircraft Engines - SCMC / Seattle
637 So. Lucile
Seattle, WA 98108
WAD 980-725-006

Date:	Reference:	Description:
12-14-92:	Facility:	Floor coating initiated by Jack Liptak. PAR 9705 JP. Floor coating completed Plant 2 remodel project.
12-14-92:	Waste shipment:	55 gallons of waste 1,1,1-trichloroethane, 55 gallons of waste corrosive liquid, and 440 pounds of hazardous waste solid shipped to Burlington Environmental, Inc., WAD 000-812-909.
12-15-92:	Air emissions:	An inventory of air emitting equipment was formulated. Ref. RSB 0-000-885-661, file "AIR-PSAPCA-Air Sources.
12-18-92:	Paint booth:	High volume, low pressure painting system installed. Ref. RSB 0-000-885-661, file "PSAPCA / Paintbooth.
12-31-92:	Facility:	Complete paint cleaning system, PAR 9705JN.
1993:		
02-16-93:	Air registration:	Letter from Puget Sound Pollution Control Agency denoting Annual registration for Registration # 28468. Ref. RSB 0-000-885-661, file "AIR-PSAPCA-Registration."
02-23-93:	Waste shipment:	156 pounds of hazardous waste solid and 190 gallons of waste corrosive liquid shipped to Burlington Environmental, Inc., WAD 000-812-909.
02-22-93:	Form 5 Notification:	1992 Waste Management Report denotes: reporting exception "C" - 'no treatment, pre-treatment, storage or disposal of waste on-site.'
02-23-93:	Form 4 Notification:	1992 Generator Annual Dangerous Waste Reports denotes waste of: phosphoric acid-arsenic, chromium, nickel, zinc, copper, D002, F006, D004, WT02, D007, 477.05 pounds; 1,1,1-trichloroethane-chrome / lead / mercury / selenium, F001, D009, D007, D010, D008, 550.44 pounds; containers / debris: toluene / MEK / acetone / 1,1,1-trichloroethane / epoxy / ethanol / methanol / chromium / benzene - adhesive & resins, F002, F007, F003, D018, F005, D035, 489.6 pounds; phosphoric acid- arsenic, chromium, nickel, zinc, copper, D002, F006, D004, WT02, D007, 477.05 pounds; containers / debris: toluene / MEK / acetone / 1,1,1-trichloroethane / epoxy / methanol / chromium / benzene - adhesive & resins, F002, D007, F003, D018, F005, 320.0 pounds; phosphoric acid-arsenic, chromium, nickel, zinc, copper, D002, F006, D004, WT02, D007, 954.10 pounds; containers / debris: toluene / MEK / acetone / 1,1,1-trichloroethane / epoxy /

Facility History

GE Aircraft Engines - SCMC / Seattle
637 So. Lucile
Seattle, WA 98108
WAD 980-725-006

Date:	Reference:	Description:
		ethanol / methanol / chromium / benzene - adhesive & resins, F002, D007, F003, D018, F005, 410.0 pounds; labpack / overpack - ORM E (EHW designation), WL01, 17.20 pounds; labpack / overpack - non-RCRA, (EHW designation) Washington State regulated waste, WL01, 2.00 pounds; labpack / overpack - flammable liquids (Washington State designation EHW), WL01, D001, 148.25 pounds; labpack / overpack - compressed gas - flammable, WL02, D001, 1.50 pounds; labpack / overpack - flammable, corrosive, EHW designation, D001, WL01, D002, 1.00 pounds; labpack / overpack - oxidizer (EHW designation), D001, WL01, 3.20 pounds; labpack / overpack - corrosive liquids, D002, WL02, 3.75 pounds; labpack / overpack - corrosive, EHW designation, D002, WL01, 11.40 pounds; phosphoric acid - arsenic, chromium, nickel, zinc, copper, D002, D004, D007, F006, WT02, 477.05 pounds; and 1,1,1-trichloroethane - chrome / lead / mercury / selenium, F001, D007, D008, D009, D010, 550.44 pounds shipped to Burlington Environmental, Inc. and acetone / MEK less than 2% / 1,1,1-trichloroethane less than 1 % IPA, D001, D035, F002, F003, F005, WT02, WP02, 366.96 pounds and MEK / oil mixture, D001, D035, WT01, 376.13 pounds shipped to ChemPro in Kent, WA.
04-12-93:	Audit:	Plant-wide EH&S audit by R. Bennett of GE Aircraft Engines, Group Environmental Affairs and Safety.
05-10-93:	Waste shipment:	356 pounds of hazardous waste solid shipped to Burlington Environmental, Inc., WAD 000-812-909.
05-13-93:	Waste shipment:	50 pounds of hazardous waste solid shipped to Burlington Environmental, Inc., WAD 000-812-909.
06-08-93:	Vapor Degreaser:	Purchase order 76597 to Foss Environmental Services Inc. - Decontamination of the SUMMA and vapor degreaser areas, including walls, floors, troughs and ventilations ducting.
06-11-93:	Regulatory:	Request to Puget Sound Pollution Control Agency for a use extension of vapor degreaser facility until 12-31-1993. : draft memo to Dave Kirchel, PSAPCA.
06-15-93:	Vapor Degreaser:	A letter to the Puget Sound Air Pollution Control Agency requested an extension of the operational period of the vapor degreaser. Ref. RSB 0-000-885-651, file "AIR-PSAPCA-Extension Request (Vapor

Facility History

GE Aircraft Engines - SCMC / Seattle
637 So. Lucile
Seattle, WA 98108
WAD 980-725-006

Date:	Reference:	Description:
		Degreaser). June 24, 1993 response from PSAPCA indicates the acceptance of the proposal.
06-22-93:	Waste shipment:	315 pounds of hazardous waste solid shipped to ChemPro, WAD 000-812-909.
07-08-93:	NOV - Air emissions:	A Notice of Violation was issued by the Puget Sound Pollution Control Agency (PSAPCA) for alleged violations in operations of the vapor degreaser. Ref. RSB 0-000-885-661, file "AIR-PSAPCA-Notice Of Violation 7/8/93."
07-13-93:	Waste shipment:	550 pounds of waste flammable liquid, 162.5 pounds of waste acid liquid, 1 pound of waste alkaline liquid, 124 pounds of hazardous waste liquid, 25 pounds of waste paint related materials, and 83 pounds of non-RCRA waste liquid shipped to Burlington Environmental, Inc., WAD 000-812-909.
07-27-93:	Form 2 Notification:	Revised notification. Waste listed as: Phosphoric acid / sulfuric acid, D002, D004, D007, WT02, 1,600 pounds; 1,1,1-Trichloroethane, F001, D007, D008, WP01, 1,000 pounds: MEK / Acetone mixture, F005, D001, F003, 500 pounds; solvent contaminated materials, F002, F003, F005, D035, 2,000 pounds; and lab pack materials, D002, D007, D008, WL01, 500 pounds. Batch frequency 500 pounds per month.
08-13-93:	Waste shipment:	249 pounds of hazardous waste solid shipped to Burlington Environmental, Inc., WAD 000-812-909.
9-16-93:	NOV - air emissions:	GE submitted a Consent Order and Assurance of Discontinuance pursuant to the NOV of July 8, 1993. Ref. RSB 0-000-885-661, file "AIR-PSAPCA-Notice of Violation 7/8/93."
10-07-93:	Waste shipment:	258 pounds of hazardous waste solids shipped to Burlington Environmental, Inc., WAD 000-812-909.
11-22-93:	Waste shipment:	87 pounds of hazardous waste solid shipped to Burlington Environmental, Inc., WAD 000-812-909.

Facility History

GE Aircraft Engines - SCMC / Seattle
637 So. Lucile
Seattle, WA 98108
WAD 980-725-006

Date:	Reference:	Description:
1994:		
01-18-94:	Form 4 Notification:	1993 Generator Annual Dangerous Waste Report denotes waste as: phosphoric acid solution - arsenic, chromium, nickel, copper - from metal cleaning / passivation process, D002, D007, D004, F006, WT02, 2,678.0 pounds; debris w/ spent acetone, toluene, MEK, 1,1,1-trichloroethane, D035, F002, F003, F005, WP01, 116.0 pounds; debris w/ spent acetone, toluene, MEK, 1,1,1-trichloroethane, D035, F002, F003, F005, WP01, 196.0 pounds; debris w/ spent acetone, toluene, MEK, 1,1,1-trichloroethane, D035, F002, F003, F005, WP01, 155.0 pounds; debris w/ spent acetone, toluene, MEK, 1,1,1-trichloroethane, D035, F002, F003, F005, WP01, 129.0 pounds; debris w/ spent acetone, toluene, MEK, 1,1,1-trichloroethane, D035, F002, F003, F005, WP01, 138.0 pounds; labpack - resins, calcium dichromate, see list, D007, WL01, 124.0 pounds; labpack - oil, silicone, see list, WT02, WL02, 83.0 pounds; labpack - flammable liquids - lead, toluene, see list, D001, D007, D008, D035, WL01, 153.0 pounds; labpack - flammable liquids - lead, xylene, see list, D001, D007, D008, WL01, 170.0 pounds; labpack - flammable liquid - xylene, resins, see list, D001, WL02, 227.0 pounds; labpack - waste acid liquid - phosphoric acid, chrome, see list, D002, D004, D007, F006, WL01, 160.0 pounds; labpack - waste acid liquid - muriatic acid, see list, D002, WL02, 2.5 pounds; lab pack - waste alkaline liquids - aliphatic amines, see list, D002, WL02, 1.0 pound; and used paint booth filters: spent acetone, MIBK, xylene, toluene, paint residues - chromium less than 500 ppm, D007, F003, F005, WC02, WT02, 87.0 pounds shipped to Burlington Environmental, Inc.
01-28-94:	Waste shipment:	167.5 pounds of waste flammable liquids, 0.3 pounds of waste oxidizing liquids, 5 pounds of waste caustic liquids, 8 pounds of waste compressed gases, 1 pound of waste poisonous liquid, 34 pounds of waste corrosive liquids, and 314 pounds of hazardous waste solids shipped to Burlington Environmental, Inc., WAD 000-812-909.
02-14-94:	Air registration:	Letter from Puget Sound Pollution Control Agency denoting Annual registration for Registration # 28468. Ref. RSB 0-000-885-661, file "AIR-PSAPCA-Registration."
02-28-94:	Waste shipment:	0.3 gallons of waste hydrofluoric acid solution, 0.2 gallons of waste corrosive liquids, 11 pounds of waste compressed gases, 194.5 pounds of waste flammable liquids, 3 pounds of waste caustic alkali liquids,

Facility History

GE Aircraft Engines - SCMC / Seattle
637 So. Lucile
Seattle, WA 98108
WAD 980-725-006

Date:	Reference:	Description:
		and 1.25 pounds of waste poisonous liquid shipped to Burlington Environmental, Inc., WAD 000-812-909.
03-31-94:	Air registration:	Request to remove the air contaminant sources from registration on certificate #28468. Ref. RSB 0-000-885-661, file "AIR-PSAPCA-Registration."
03-29-94:	Waste shipment:	241 pounds of hazardous waste solids shipped to Burlington Environmental, Inc., WAD 000-812-909.
03-31-94:	Production:	Last production day, all facilities.
04-08-94:	Waste shipment:	75 pounds of hazardous waste solid, 100 gallons of waste flammable liquid, 100 gallons of waste poisonous liquids, 40 gallons of waste paint, and 40 pounds of hazardous waste solid shipped to Burlington Environmental, Inc., WAD 000-812-909.
05-18-94:	Waste shipment:	67 pounds of waste corrosive liquids, 40 pounds of waste caustic alkali liquids, 4 pounds of waste poisonous liquids, 16 pounds of waste oxidizing solids, 30 pounds of waste flammable liquids, 70 pounds of waste environmentally hazardous substances, 9 gallons of waste compressed gases, 42 gallons of non-RCRA waste liquids, 295.1 gallons of waste flammable liquids, and 23 gallons of waste paint shipped to Burlington Environmental, Inc., WAD 000-812-909.
06-02-94:	Waste shipment:	1 drum waste compressed gases, 1 drum waste environmentally hazardous substances, 1 drum waste flammable liquids, and 1 drum of waste flammable liquids shipped to Burlington Environmental, Inc., WAD 000-812-909.
06-09-94:	Air registration:	Letter from GE to PSAPCA requesting registration denial for Certificates 10260 (Plt 1) and 28468 (Plt 2). Ref. RSB 0-000-885-661, file "AIR-PSAPCA-Registration."
06-27-94:	Waste shipment:	3,660.2 pounds of hazardous waste solids, 30 gallons of hazardous waste liquids, 25 gallons of non-RCRA waste liquids, 30 gallons of waste flammable liquids, 7 gallons of waste paint, 30 pounds of non-RCRA waste solids, 1 pound of dry batteries, 0.1 pounds of poisonous liquids, 25 gallons of non-regulated materials, 7 pounds of waste flammable aerosols, and 30 gallons of waste flammable liquids shipped to Burlington Environmental, Inc., WAD 000-812-909.

Facility History

GE Aircraft Engines - SCMC / Seattle
637 So. Lucile
Seattle, WA 98108
WAD 980-725-006

Date:	Reference:	Description:
06-30-94:	Employee:	Last physical day for employees with exception of Steven L. Wix.
06-30-94:	Form 2 Notification:	Withdrawal of site identification. No waste listed. Facility closed.
11-30-94:	Form 4 Notification:	1994 Generator Annual Dangerous Waste Report denotes waste as: debris w/ spent acetone, toluene, MEK, 1,1,1-trichloroethane, D035, F002, F003, F005, WP01, 314 pounds; labpack, D001, D003, D035, WL01, see list, 142 pounds; labpack, D002, WL02, see list, 5 pounds; labpack, WP01, WL01, 8 pounds; labpack, D002, WL02, 34 pounds; labpack, D001, D002, WL02, 1.5 pounds; labpack, D001, WL02, 24 pounds; labpack, D001, WL02, 0.3 pounds; labpack, D002, WL02, 1.0 pound; D001, D035, WL01, 192 pounds; labpack, WL01, 3.0 pounds; labpack, D001, WL01, 11.0 pounds; labpack, D002, WL02, 1.0 pound; labpack, D001, D035, 16.0 pounds; labpack, D002, WL02, 2.0 pounds; labpack, WL01, 1.3 pounds; debris w/ spent acetone, toluene, MEK, 1,1,1-trichloroethane, D035, F002, F003, F005, WP01, 241.0 pounds; calibration fluid: mineral spirits, paraffins - mercury < 20 ppm, selenium < 100 ppm, D001, D009, D010, WT02, 321.0 pounds; 1,1,1-trichloroethane, 1,4-dioxane - chromium, lead, mercury, selenium - from vapor degreasing, D007, D008, D009, D010, F001, WC01, WP01, 834.0 pounds; acetone, MEK, IPA, 1,1,1-trichloroethane, D001, D035, F002, F003, F005, WP01, WT02, 334.0 pounds; debris w/ spent acetone, toluene, MEK, 1,1,1-trichloroethane, D035, F002, F003, F005, WP01, 75.0 pounds; paint: petroleum naphtha, MEK, toluene, as constituents - chromium, selenium, D001, D007, D010, D035, 317.0 pounds; used paint booth filters: spent acetone, MIBK, xylene, toluene, paint residues - chromium < 500 ppm, D007, F003, F005, WC02, WT02, 40.0 pounds; labpack, D008, D011, WL01, 70.0 pounds; labpack, D002, WL02, 40.0 pounds; labpack, D001, D002, WL02, 8.0 pounds; labpack, D002, D007, WL01, 59.0 pounds; labpack, D001, D035, WL01, 30.0 pounds; labpack, D001, D007, WL01, 16.0 pounds; labpack, WL01, 4.0 pounds; paints: MEK as constituent, chromium; unused acetone, MEK, toluene, xylene; oils containing chlorinated paraffins, D001, D035, U002, U159, WT02, 263.0 pounds; paints: MEK as constituent, chromium; unused acetone, MEK, toluene, xylene; oils containing chlorinated paraffins, D001, D035, U002, U159, WT02, 463.0 pounds; paints: MEK as constituent, chromium; unused acetone, MEK, toluene, xylene; oils containing chlorinated paraffins, D001, D035, U002, U159, WT02, 425.3 pounds; paints: MEK as constituent, chromium; unused acetone, MEK, toluene, xylene; oils containing chlorinated

Date:	Reference:	Description:

4490.8

paraffins, D001, D035, U002, U159, WT02, 231.4 pounds; paints: MEK as constituent, chromium; unused acetone, MEK, toluene, xylene; oils containing chlorinated paraffins, D001, D035, U002, U159, WT02, 143.8 pounds; paints: MEK as constituent, chromium; unused acetone, MEK, toluene, xylene; oils containing chlorinated paraffins, D001, D035, U002, U159, WT02, 56.3 pounds; paints: MEK as constituent, chromium; unused acetone, MEK, toluene, xylene; oils containing chlorinated paraffins, D001, D035, U002, U159, WT02, 84.4 pounds; paints: MEK as constituent, chromium; unused acetone, MEK, toluene, xylene; oils containing chlorinated paraffins, D001, D035, U002, U159, WT02, 131.4 pounds; paints: MEK as constituent, chromium; unused acetone, MEK, toluene, xylene; oils containing chlorinated paraffins, D001, D035, U002, U159, WT02, 131.4 pounds; paints: MEK as constituent, chromium; unused acetone, MEK, toluene, xylene; oils containing chlorinated paraffins, D001, D035, U002, U159, WT02, 203.9 pounds; paints: MEK as constituent, chromium; unused acetone, MEK, toluene, xylene; oils containing chlorinated paraffins, D001, D035, U002, U159, WT02, 175.1 pounds; solder dross and debris: lead < 500 ppm, selenium < 100 ppm, tin, D008, D010, WC02, 1,750.0 pounds; quenching oil - non-regulated, 181.4 pounds; absorbent and rags w/ oil, WT02, 30.0 pounds; soil w/ 1,1,1-trichloroethane < 1000 ppm, trichloroethylene < 50 ppm from unknown source, WP02, D040, 2,000.0 pounds; scrap electronic assemblies: arsenic, chromium, lead, mercury, selenium, silver, nickel copper, D004, D007, D008, D009, D010, D011, 1,400.0 pounds; loosepack: commercial products, flammable, D001, D008, D035, WP01, 250.2 pounds; loosepack; paint, D001, WT02, 58.4 pounds; nickel cadmium batteries containing potassium hydroxide solid, D002, D006, WT02, 0.2 pounds; nickel cadmium batteries containing potassium hydroxide solid, D002, D006, WT02, 300.0 pounds; curing catalysts, epoxy hardener: amines, WT02, D002, 1.7 pounds; used alkaline batteries: potassium hydroxide solid, zinc, D002, WT02, 1.0 pound; commercial products: 1,1,1-trichloroethane and dibutyl tin dilaurate as constituents, WP01, WT02, 0.1 pounds; vapor degreaser: water w/ 1,1,1-trichloroethane < 1%, F001, F002, WP02, 250.2 pounds; soap solution: water, amine-based surfactants, WT02, 208.5 pounds; labpack, WT02, D002, 31.0 pounds; labpack, WT02, D002, D008, 8.3 pounds; labpack, WT02, D001, D008, 8.3 pounds; compressed tetrafluoromethane, WP01, 5.0 pounds; spent MEK, benzene, acetone, methanol, IPA, sodium hypochlorite, D001, D018, D035, F003, F005, WC02, 200.1 pounds; ignitable

Facility History

GE Aircraft Engines - SCMC / Seattle
637 So. Lucile
Seattle, WA 98108
WAD 980-725-006

Date:	Reference:	Description:
		aerosols: paints, lubricants, D001, WT02, 7.0 pounds; scrap electronic assemblies: arsenic, chromium, lead, mercury, selenium, silver, nickel, copper, D004, D007, D008, D009, D010, D011, 300.0 pounds; ignitable aerosol containing freon, D001, WP01, 1.0 pound; unused resins, anti-oxidants, lead / silver < 500 ppm, D008, D011, WT02, 1.0 pound; ignitable paints, adhesives, resins: MEK as a constituent, chromium; unused acetone, xylene, D001, D007, D035, U002, U239, WT02, 1.0 pound; ignitable paints, adhesives, resins: MEK as a constituent, chromium; unused acetone, xylene, D001, D035, U002, WT02, 1.0 pound; labpack, WL02, 1.0 pound; absorbent and rags w/ oil, WT02, 1.0 pound; debris w/ spent acetone, toluene, MEK, 1,1,1-trichloroethane, D035, F002, F003, F005, WP01, 1.0 pound sent to Burlington Environmental, Inc., Georgetown facility.
12-19-94:	Form 5 Notification:	1994 Waste Management Report denotes reporting exception "C". Closure cost estimate is $0.
12-30-94:	Employee:	Last workday for GE Aircraft Engine SCMC-Seattle employees.

Notes:

General product lines:

Water tanks	Drain Mast	Static Port Heaters
Vent Duct Heaters	Space Heaters	Cab Heaters
Boeing off-load	Sikorsky Cab Heaters	Fuel Oil Heaters
Lube Oil Heaters	Electronic Thermostats	Blade & Vane Repairs
Trident Heaters	Chemical Clean Line	

ATTACHMENT H

— Blue or Black Ink Only — (Form designed for use on Elite (12 pitch) typewriter) Use spacebar between each character

[redacted] WAD 980 725 006 A F4 92
140689340
GENERAL ELECTRIC
220 S DAWSON
SEATTLE WA 98108

P2

1. [redacted]EPA/[redacted]E HA[redacted]OUS[redacted]STE [redacted] SITE IDENTIFICATION NUMBER: WAD980725006 (See Page 5)

1 LT 2

2. COMPANY NAME: GENERAL ELECTRIC CO (See Page 5)

3. SITE CONTACT PERSON, AND TITLE: LAST: WIX [redacted] FIRST: STEVEN [redacted] TITLE: MANAGER EHS

PHONE NUMBER: 206-764-4837 ext. (See Page 5)

4. SITE CONTACT MAILING ADDRESS
SUITE, APARTMENT NUMBER, ETC.:
P.O. BOX OR STREET: 220 SO DAWSON ST
CITY: SEATTLE [redacted] STATE: WA [redacted] ZIP: 98108 - (See Page 5)

SEND TO: Washington State Department of Ecology
Hazardous Waste Information Unit
Post Office Box 47658
Olympia, WA 98504-7658

Assistance 1-800-874-2022
(206) 459-6387

DATE RECEIVED

5. SITE LOCATION ADDRESS: 637 SO LUCILE
CITY: SEATTLE [redacted] STATE: WA [redacted] ZIP: 98108 - (See Page 5)

6. SITE LOCATION COUNTY: KING (See Page 5)

Init ... Date ...
Init ... Date ...
Revision ☐ Pages
Init ... Date
Keypunched ☐
Init. ... Date
Verified ... Date ...
Batch No. ...
☐A ☐B ☐C
FOR ECOLOGY USE ONLY

DUE DATE: Postmarked No Later Than
MARCH 1, 1993

WASHINGTON STATE DEPARTMENT OF ECOLOGY

7. WASHINGTON DEPT. OF REVENUE SALES TAX REGISTRATION NUMBER (UBI NUMBER): 140-689-340 (See Page 6)

8. STANDARD INDUSTRIAL CLASSIFICATION (SIC) CODES: PRIMARY: 3724 SECONDARY: OTHER: (See Page 6)

9. SITE EMPLOYMENT ON DECEMBER 31, 1992: 111 (See Page 6)

10. REPORTING EXCEPTIONS A. ☐ B. ☐ C. ☐ D. ☐ lbs. E. ☐ (See Page 6)

11. CERTIFICATION — I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (See Page 7)

Steven Wix — PRINT OR TYPE NAME
[signature] — SIGNATURE (must be in ink)
2/23/93 — DATE SIGNED

Page 1 of 1 Pages 4

LUC000297

[redacted] EPA [redacted] D NO. [redacted]

WAD980725006

13. [redacted] VING [redacted] Y (TSD) NAME [redacted] Burlington Env[redacted]mental [redacted] C.

EPA/STATE ID NUMBER: WAD000812909

ADDRESS: 734 S. Lucile St.

City: Seattle, State: WA, ZIP: 98108

14. T[redacted] RTER [redacted] ME [redacted] rce [redacted] very [redacted]

EPA/STATE ID NUMBER: WAD061672812

ADDRESS: 1629 E. Alexander Ave

City: Tacoma

LINE	WASTE IDENTIFICATION A. Manifest Document Number (See Page 9)	B. Manifest Shipment Date (MM DD YY) (See Page 9)	C. Status (See P. 9)	D. Physical State S=Solid L=Liquid G=Sludge M=Compressed Gas (See Page 10)	E. Chemical Nature O=Organic I=Inorganic (See P. 10)	F. Waste Description (See Page 10)	G. Dangerous Waste Number (see instructions and WAC 173-303) (See Page 11)	H. Waste Designation D=DW E=EHW (See P. 12)	I. Weight of Waste (See Page 12)	J. WEIGHT (See P. 12)	K. Recycling Credit % (See P. 12)	L. For TSD Facility Use Only (See P. 13)
1	37923	12 14 92		L	OI	Phophoric acid - arsenic, chromium, nickel, zinc, copper	D002 F006 D004 WT02 D007	E	477.05	P		
2	37923	12 14 92		L	OI	1,1,1 trichloroethane - chrome/lead/mercury/selenium	F001 D009 D007 D010 D008	E	550.44	P		
3	37923	12 14 92		S	OI	Containers/debris: toluene/MEK/acetone/1,1,1 trichloroethane/epoxy/ethanol/methanol/chromium/benzene - adhesives & resins	F002 F007 F003 D018 F005 D035	E	489.60	P		
4	35652	09 25 92		L	OI	Phosphoric acid - arsenic, chromium, nickel, zinc, copper	D002 F006 D004 WT02 D007	E	477.05	P		
5	35652	09 25 92		S	OI	Continers/debris: toluene, MEK, acetone, 1,1,1 trichloroethane, epoxy, methanol, chromium, benzene - adhesives & resins	F002 D007 F003 D018 F005	E	320.00	P		
6	30095	07 20 92		L	OI	Phosphoric acid - arsenic, chromium, nickel, zinc, copper	D002 F006 D004 WT02 D007	E	954.10	P		
7	30095	07 20 92		S	OI	Containers/debris: toluene/MEK/acetone/1,1,1 trichloroethane, epoxy, methanol, chromium, benzene, ETHANOL- adhesives & resins	F002 D007 F003 D018 F005 D035	E	410.00	P		
8	57176	06 03 92		LS	OI	Lab pack/overpak - ORM E (EHW designation)	WL01	E	17.20	P		
9	57176	06 03 92		LS	OI	Lab pack/overpak - Non-RCRA, (EHW designation) Washington State regulated waste	WL01	E	2.00	P		
10	57176	06 03 92		LS	OI	Lab pack/overpak - flammable liquids (Washington State designation EHW)	WL01 D001	E	148.25	P		

16. COMMENTS (Enter information by section and/or line number—see page 13.)

Form 4 1992 **GENERATOR ANNUAL DANGEROUS WASTE REPORT** 1992 Form 4

YOUR EPA/STATE ID NUMBER: D 9 8 0 7 2 5 0 0 6

13. RECEIVING FACILITY (TSD) (See Page 8)
EPA/STATE ID NUMBER: W A D 0 0 0 8 1 2 9 0 9
NAME: Burlington Environmental Inc.
ADDRESS: 734 S. Lucile St.
City: Seattle, State: WA, ZIP: 9 8 1 0 8

14. TRANSPORTER (See Page 8)
EPA/STATE ID NUMBER: W A D 0 6 1 6 7 2 8 1 2
NAME: Resource Recovery Corp
ADDRESS: 1629 E. Alexander
City: Tacoma

WASTE IDENTIFICATION

A. Manifest Document Number (See Page 9)	B. Manifest Shipment Date (MM DD YY) (See Page 9)	C. Status (See P. 9)	D. Physical State S=Solid L=Liquid G=Sludge M=Compressed Gas (See Page 10)	E. Chemical Nature O=Organic I=Inorganic (See P. 10)	F. Waste Description (See Page 10)	G. Dangerous Waste Number (see instructions and WAC 173-303) (See Page 11)	H. Waste Designation D=DW E=EHW (See P. 12)	I. Weight of Waste (See Page 12)	J. W E I G H T (See P. 12)	K. Recycling Credit % (See P. 12)	L. For TSD Facility Use Only (See P. 13)
57176	06 03 92		SM	OI	Lab pack/overpack - compressed gas - flammable	W L 0 1 2, D 0 0 1 1	D	1.50	P		
57176	06 03 92		LS	OI	Lab pack/overpack - flammable, corrosive, EHW designation	D 0 0 1 1, W L 0 1 1, D 0 0 1 2	E	1.00	P		
57176	06 03 92		LS	OI	Lab pack/overpak - oxidizer (EHW designation)	D 0 0 1 1, W L 0 1 1	E	3.20	P		
57176	06 03 92		L	IO	Lab pack/overpak - corrosive liquids	D 0 0 1 2, W L 0 1 2	D	3.75	P		
57176	06 03 92		LS	IO	Lab pack/overpak - corrosive, EHW designation	D 0 0 1 2, W L 0 1 1	E	11.40	P		
24123	02 28 92		L	OI	Phosphoric acid - arsenic, chromium, nickel, zinc, copper	D 0 0 1 2, D 0 0 1 4, D 0 0 1 7, F 0 0 1 6, W T 0 1 2	E	477.05	P		
24123	02 28 92		L	OI	1,1,1 trichloroethane - chrome/lead/mercury/selenium	F 0 0 1 1, D 0 0 1 7, D 0 0 1 8, D 0 0 1 9, D 0 1 1 0	E	550.44	P		

COMMENTS (Enter information by section and/or line number—see page 13.)

Form 4 1992 GENERATOR ANNUAL DANGEROUS WASTE REPORT 1992 Form 4

YOUR EPA/STATE ID NUMBER: D980725006

13 RECEIVING FACILITY (TSD) See Page 8
EPA/STATE ID NUMBER: WAD991281767
NAME: Chempro
ADDRESS: 20245 76th Ave. So.
City: Kent, State: WA, ZIP: 98031

14 TRANSPORTER See Page 8
EPA/STATE ID NUMBER: WAD061672812
NAME: Resource Recovery
ADDRESS: 1629 E. Alexander Av.
City: Tacoma, State: WA, ZIP: [illegible]

WASTE IDENTIFICATION

A. Manifest Document Number (See Page 9)	B. Manifest Shipment Date (MM DD YY) (See Page 9)	C. Status (See P. 9)	D. Physical State S=Solid L=Liquid G=Sludge M=Compressed Gas (See Page 10)	E. Chemical Nature O=Organic I=Inorganic (See P. 10)	F. Waste Description (See Page 10)	G. Dangerous Waste Number (see instructions and WAC 173-303) (See Page 11)	H. Waste Designation D=DW E=EHW (See P. 12)	I. Weight of Waste (See Page 12)	J. WECIOGDHET (See P. 12)	K. Recycling Credit % (See P. 12)	L For TSD Facility Use Only (See P. 13)
30076	03 17 92		L	O	Acetone/MEK less than 2%/1,1,1 trichloroethane less than 1% IPA	D001 D035 F002 F003 F005 WT02	D	366.96	P		
						WP02					
30076	03 17 92		L	O	MEK/oil mixture	D001 D035 WT01	E	376.13	P		

COMMENTS (Enter information by section and/or line number—see page 13.)

Pt 2 Copy 1

Form 4 1991 GENERATOR ANNUAL DANGEROUS WASTE REPORT 1991 Form 4

PLEASE PRINT OR TYPE — Blue or Black Ink Only — (Form designed for use on Elite (12 pitch) typewriter) Use spacebar between each character

WAD 980 725 006 A F4 91
140689340
GENERAL ELECTRIC
220 S DAWSON

SEATTLE WA 98108

SEND TO: Washington State Department of Ecology
Hazardous Waste Annual Reports
Hazardous Waste Information and Planning
Olympia, WA 98504-7658

Assistance 1-800-874-2022
(206) 459-6387

DATE RECEIVED

Init. ____ Date ____
Init. ____ Date ____
Revision ☐ Pages ____
Init. ____ Date ____
Keypunched ☐
Init. ____ Date ____
Verified ____ Date ____
Batch No ____
[ ]A [ ]B [ ]C
FOR ECOLOGY USE ONLY

DUE DATE: Postmarked
No Later Than
MARCH 2, 1992

WASHINGTON STATE DEPARTMENT OF ECOLOGY

1. EPA/STATE HAZARDOUS WASTE SITE IDENTIFICATION NUMBER: WAD980725006

2. COMPANY NAME: GENERAL ELECTRIC COMPANY

3. SITE CONTACT PERSON, AND TITLE: STOCKWELL (LAST) CHRIS (FIRST) EHS MANAGER (TITLE)
PHONE NUMBER: 206-764-4412 ext.

4. COMPANY MAILING ADDRESS
SUITE, APARTMENT NUMBER, ETC:
P.O. BOX OR STREET: 220 SOUTH DAWSON STREET
CITY: SEATTLE STATE: WA ZIP: 98108-

5. SITE LOCATION ADDRESS: 637 SOUTH LUCILE
CITY: SEATTLE STATE: WA ZIP: 98108-

6. SITE LOCATION COUNTY: KING

7. WASHINGTON DEPT. OF REVENUE SALES TAX REGISTRATION NUMBER (UBI NUMBER): 140-689-340

8. STANDARD INDUSTRIAL CLASSIFICATION (SIC) CODES: PRIMARY 3724; SECONDARY; OTHER

9. SITE EMPLOYMENT ON DECEMBER 31, 1991: 133

10. REPORTING EXCEPTIONS A. ☐ B. ☐ C. ☐ D. ☐ lbs. E. ☐

11. CERTIFICATION--I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Chris Stockwell Chris Stockwell 2/25/92

LUC000301

Form 4 1991 GENERATOR ANNUAL DANGEROUS WASTE REPORT 1991 Form 4

12. YOUR EPA/STATE I.D. NUMBER: WAD980725006

13. RECEIVING FACILITY (TSD)
EPA/STATE I.D. NUMBER: WAD991281767
NAME: Burlington Environmental
ADDRESS: 20245 77th Ave. S.
City: Kent, State: WA, ZIP: 98032

14. TRANSPORTER
EPA/STATE I.D NUMBER: WAD061672812
NAME: Resource Recovery
ADDRESS: 1629 E. Alexander Ave.
City: Tacoma, State: WA, ZIP: 98421

15. WASTE IDENTIFICATION

LINE	A. Manifest Document Number	B. Manifest Shipment Date (MM DD YY)	C. Status	D. Physical State S=Solid L=Liquid G=Sludge M=Compressed Gas	E. Chemical Nature O=Organic I=Inorganic	F. Waste Description (see instructions)	G. Dangerous Waste Number (see instructions and WAC 173-303)	H. Waste Designation D=DW E=EHW	I. Weight of Waste	J. WECIOQDHET	K. For TS Facili Use Or
1	25148 ✓	02/20/91		LG	I	Phosphoric Acid - Arsenic, chromium, nickel, zinc, copper	D002 D004 D007	E	275	P	
2	25867 ✓	04/01/91		LG	I	Phosphoric Acid - Arsenic, chromium, nickel, zinc, copper	D002 D004 D007	E	1514	P	
3	25867 ✓	04/01/91		L	OI	1,1,1-Trichloroethane - chrome, lead, mercury, selenium	F001 D007 D008 D009 D010	E	813	P	
4											
5											
6											
7											
8											
9											
10											

16. COMMENTS (Enter information by section and/or line number—see instructions).

LUC000302

Form 4 1991 GENERATOR ANNUAL DANGEROUS WASTE REPORT 1991 Form 4

12. YOUR EPA/STATE I.D. NUMBER: WAD980725006

13. RECEIVING FACILITY (TSD)
EPA/STATE I.D. NUMBER: WAD000081290 9
NAME: Burlington Environmental
ADDRESS: 734 S. Lucile
City: Seattle, State WA ZIP: 98108

14. TRANSPORTER
EPA/STATE I.D NUMBER: WAD061672812
NAME: Resource Recovery
ADDRESS: 1629 E. Alexander Ave.
City: Tacoma, State WA ZIP: 98 2

15. WASTE IDENTIFICATION

LINE	A. Manifest Document Number	B. Manifest Shipment Date (MM DD YY)	C. Status	D. Physical State S=Solid L=Liquid G=Sludge M=Compressed Gas	E. Chemical Nature O=Organic I=Inorganic	F. Waste Description (see instructions)	G. Dangerous Waste Number (see instructions and WAC 173-303)	H. Waste Designation D=DW E=EHW	I. Weight of Waste	J. WEC IOD HET	K. For T Facil Use O
1	24112 ✓	06/21/91		L	OI	Phosphoric Acid - arsenic, chromium, nickel, zinc, copper	D002 D004 D007	E	477.05	P	
2	24120 ✓	08/06/91		L	OI	Phosphoric Acid - arsenic, chromium, nickel, zinc, copper	D002 D004 D007	E	954.10	P	
3	81591 a	09/25/91		LS	OI	Lab Pack - ORME (EHW disgnation)	WL01	E	44.00	P	
4	81591 ~~3~~	09/25/91		LS	O	Lab Pack - flammable liquids	WL02 D001	D	115.59	P	
5	81591 3D	09/25/91		LS	O	Lab Pack - EHW flammable liquids	WL01 D001	E	162.00	P	
6	81591 b	09/25/91		LS	OI	Lab Pack - flammable corrosive	WL02 D001 D002	D	1.50	P	
7	81591 a	09/25/91		LS	I	Lab Pack - corrosive alkalines	WL02 D002	D	26.27	P	
8											
9											
0											

16. COMMENTS (Enter information by section and/or line number—see instructions).

Form 4 1991 GENERATOR ANNUAL DANGEROUS WASTE REPORT 1991 Form 4

12. YOUR EPA/STATE I.D. NUMBER: WAD980725006

13. RECEIVING FACILITY (TSD)
EPA/STATE I.D. NUMBER: WAD000812909
NAME: Burlington Environmental
ADDRESS: 734 S. Lucile
City: Seattle, State: WA, ZIP: 98108

14 TRANSPORTER
EPA/STATE I.D. NUMBER: WAD000711531
NAME: Amalgamared Services
ADDRESS: 21318 103rd Pl. S.E.
City: Kent, State: WA, ZIP: 98031

15. WASTE IDENTIFICATION

LINE	A. Manifest Document Number	B. Manifest Shipment Date (MM DD YY)	C. Status	D. Physical State S=Solid L=Liquid G=Sludge M=Compressed Gas	E. Chemical Nature O=Organic I=Inorganic	F. Waste Description (see instructions)	G. Dangerous Waste Number (see instructions and WAC 173-303)	H. Waste Designation D=DW E=EHW	I. Weight of Waste	J. WEIGHT	K. For TS Facilit Use On
1	31594	10/31/91		L	OI	Phosphoric Acid - arsenic, chromium, nickel, zinc, copper	D002 D004 D007	E	477.05	P	
2											
3											
4											
5											
6											
7											
8											
9											
10											

16. COMMENTS (Enter information by section and/or line number—see instructions).

LUC000304

[redacted]rm [redacted] 1990 GENERATOR ANNUAL DANGEROUS WASTE REPORT 1990 Form 4

PLEASE PRINT OR [redacted] Blue or [redacted] Only [redacted] designed [redacted] on Elite [redacted]) type [redacted] space [redacted] en each [redacted]y

PLT 2

PLACE THE LABEL HERE

You must complete Sections 1 through 4 in addition to placing the label here.
Do not cross out incorrect information.

FOR ECOLOGY USE ONLY

DATE RECEIVED

Init. _____ Date _____
Init. _____ Date _____

Revision ☐ Pages _____
Init. _____ Date _____

Keypunched ☐
Init. _____ Date _____

Verified _____ Date _____
Batch No. _____

☐A ☐B ☐C

FOR ECOLOGY USE ONLY

SEND TO:

DEPT. OF ECOLOGY
Hazardous Waste Section
Attn: Annual Reports
R/S No. 4
Mail Stop PV-11
Olympia, WA 98504-8711

Assistance 1-800-874-2022
(206)-459-6387

DUE DATE:

Postmarked
No Later Than
MARCH 1, 1991

WASHINGTON STATE DEPARTMENT OF ECOLOGY

1. EPA/STATE HAZARDOUS WASTE SITE IDENTIFICATION NUMBER: WAD980725006

2. COMPANY NAME: General Electric

3. SITE CONTACT PERSON, AND TITLE: Stockwell (LAST) Chris (FIRST) EHS manager (TITLE)
PHONE NUMBER: 206-764-4412 ext. [ ]

4. COMPANY MAILING ADDRESS: 220 S. Dawson
[ ]
Seattle (CITY) WA (STATE) 98108 (ZIP)-[ ]

5. SITE LOCATION ADDRESS: 637 S. Lucile St.
Seattle (CITY) WA (STATE) 98108 (ZIP)-[ ]

6. SITE LOCATION COUNTY: King

7. WASHINGTON DEPT. OF REVENUE REGISTRATION (UBI) NUMBER: 140-689-340

8. STANDARD INDUSTRIAL CLASSIFICATION (SIC) CODES: PRIMARY 3427 SECONDARY [ ] OTHER [ ]

9. SITE EMPLOYMENT ON DECEMBER 31, 1990: 150

10. REGULATORY STATUS CERTIFICATION—Refer to the instructions and/or the "Guide For Hazardous Waste Generators" to complete this section. Mark only one entry by placing your initials in the space provided. If none of these conditions apply to you, skip this section and complete the continuation sheet(s).
A. [ ] B. [ ] C. [ ] D. [ ] E. [ ] lbs. F. [ ]

11. CERTIFICATION—I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

M.P. Zimprich (PRINT OR TYPE NAME) [redacted] for M. Zimprich (SIGNATURE (must be in ink)) 3/6/91 (DATE SIGNED)

Page 1 of 3 Pages

LUC000305

Form 4 1990 GENERATOR ANNUAL DANGEROUS WASTE REPORT 1990 Form 4

12. YOUR EPA/STATE I.D. NUMBER: WAD980725606

13. RECEIVING FACILITY (TSD)
EPA/STATE I.D. NUMBER: WAD000081259
NAME: Chemoro
ADDRESS: 734 S. Locile
City: Seattle, State: WA, ZIP: 98108

14. TRANSPORTER
EPA/STATE I.D. NUMBER: WA0066711581
NAME: Amalgamated Services
ADDRESS: 2131 B 103rd Pl SE
City: Kent, State: WA, ZIP: 98031

LINE	15. WASTE IDENTIFICATION A. Manifest Document Number	B. Manifest Shipment Date (MM DD YY)	C. Status	D. Physical State S=Solid L=Liquid G=Sludge M=Compressed Gas	E. Chemical Nature O=Organic I=Inorganic	F. Waste Description (see instructions)	G. Dangerous Waste Number (see instructions and WAC 173-303)	H. Waste Designation D=DW E=EHW	I. Amount of Waste	J. Weight	K. For TSD Facility Use Only
1	20847	041890		S	I	Sodium Tetraborate / Sodium Phosphate / Sodium Chromate	D002 D007	EHW	500	P	
2	20847	041890		S	I	Sodium Hydroxide / Sodium metasilicate - Oxidizer	D002 D001	DW	500	P	
3	20847	041890		S	I	Sodium Hydroxide / Potassium Permanganate - metal Cleaner	D002	DW	500	P	
4	20847	041890		S	I	Sodium Hydroxide Solid	D002	DW	500	P	
5	20847	041890		L	I	Phosphoric Acid / Water	D002	DW	1147	P	
6	20847	041890		S	I	Sodium Hydroxide / Sodium Chromate	D002 D007	EHW	3000	P	
7	20847	041890		S	I	Sodium Hydroxide Solid - metal Cleaner	D002	DW	500	P	
8	15297	070390		L	I	Phosphoric & Sulfuric Acid - Arsenic, Chrome, Mercury, Selenium	D002 D004	D010 D007	EHW	719	P
9	15297	070390		L	O	1,1,1-Trichloroethane - Chrome, Lead, Mercury, Selenium	F001 D007	D010 D009	EHW	250	P
10	09346	082390		L	I	Phosphoric & Sulfuric Acid - Arsenic / Chrome / Mercury / Selenium	D002 D004	D010 D009	EHW	1343	P
11	15480	111690		L	I	Phosphoric & Sulfuric Acid - Arsenic / Chrome / Mercury / Selenium	D002 D004	D010 D009	EHW	1055	P
12	40586	122690		L	I	Phosphoric Acid / Butyl Cellosolve / Water	D002 D001	T011	EHW	432	P
13	40586	122690		L6	O	mixed oil-Base Paints - Alkyd Resin / mineral spirits	D001 D018	T012	DW	413	P
14	40586	122690		L	O	Petroleum oil / Aliphatic Petroleum Distillates	D001	T012	DW	113	P
15	40586	122690		LS	O	lab Pack ORM A EHW materials	D001	P001	EHW	60	P

16. COMMENTS (Enter information by section and/or line number—see instructions).

14) Resource Recovery, WAD066167812

Form 4 1990 GENERATOR ANNUAL DANGEROUS WASTE REPORT

12. YOUR EPA/STATE I.D. NUMBER: [redacted] WA 0 9 8 0 7 2 5 0 6 [redacted]

13. RECEIVING FACILITY (TSD)
EPA/STATE I.D. NUMBER: WA 0 0 0 B 1 2 9 0 9
NAME: [redacted]hem[redacted]
ADDRESS: 734 S. Lucile
City: Seattle, State: WA ZIP: 9 8 1 0 8

14. [redacted]RTER [redacted]
EPA/STATE I.D. NUMBER: WA 0 0 0 6 7 1 1 5 3 1
NAME: [redacted]Amc[redacted] 4TH [redacted]ices[redacted]
ADDRESS: 21318 103rd PI SE
City: Kent, State: WA ZIP: 9 8 0 3 1

LINE	15. WASTE IDENTIFICATION A. Manifest Document Number	B. Manifest Shipment Date (MM DD YY)	C. Status	D. Physical State S=Solid L=Liquid G=Sludge M=Compressed Gas	E. Chemical Nature O=Organic I=Inorganic	F. Waste Description (see instructions)	G. Dangerous Waste Number (see instructions and WAC 173-303)	H. Waste Designation D=DW E=EHW	I. Amount of Waste	J. WASTE QUANTITY	K. For TSD Facility Use Only
1	40586	122690		LS	OI	Lab Pack - Non RCRA, WA St. Regulate Materials	WP12	DW	237	P	
2	40586	122690		LS	O	Lab Pack - Flammable liquids	D001 WL01 2	DW	313	P	
3	40586	122690		LS	O	Lab Pack - Flammable, Poisonous	D001 WL01 1	EHW	29	P	
4	40586	122690		M	OI	Lab Pack - Compressed Gas, Flammable	D001 WL01 3	DW	6	P	
5	40586	122690		LS	OI	Lab Pack - Flammable Corrosive	D001 WL01 2	D002 3	DW	10	P
6	40586	122690		LS	I	Lab Pack - Oxidizer	D001 WL01 2	D003 3	DW	11	P
7	40586	122690		L	I	Lab Pack - Corrosive Poison liquids	D002 WL01 2	D003 3	DW	8	P
8	40586	122690		L	I	Lab Pack - Corrosive Acid liquids	D001 WL01 2		DW	6	P
9											
10											
11											
12											
13											
14											
15											

16. COMMENTS (Enter information by section and/or line number—see instructions).

14) Resource Recovery, WAD000167812

Form 4 1990 GENERATOR ANNUAL DANGEROUS WASTE REPORT 1990 Form 4

12. YOUR EPA/STATE I.D. NUMBER: WA

13. RECEIVING FACILITY (TSD)
EPA/STATE I.D. NUMBER
NAME:
ADDRESS:
City: , State ZIP:

14. TRANSPORTER
EPA/STATE I.D. NUMBER
NAME:
ADDRESS:
City: , State ZIP:

15. WASTE IDENTIFICATION

LINE	A. Manifest Document Number	B. Manifest Shipment Date (MM DD YY)	C. Status	D. Physical State S=Solid L=Liquid G=Sludge M=Compressed Gas	E. Chemical Nature O=Organic I=Inorganic	F. Waste Description (see instructions)	G. Dangerous Waste Number (see instructions and WAC 173-303)	H. Waste Designation D=DW E=EHW	I. Amount of Waste	J. Weight/Volume	K. For TSD Facility Use Only
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											

16. COMMENTS (Enter information by section and/or line number—see instructions).

Page ... of

Form 4 1989 GENERATOR ANNUAL DANGEROUS WASTE REPORT 1989 Form 4

PLEASE PRINT OR TYPE — Blue or Black Ink Only — (Form designed for Elite (12 pitch) typewriter) Use uppercase between each character

WAD980725006

GENERAL ELECTRIC CO- SEATTLE LUCILLE
ATTN: HAZARDOUS WASTE COORDINATOR
220 S DAWSON ST
SEATTLE WA 98108

You must complete Sections 1 through 4 in addition to placing the label here.
Do not cross out incorrect information.

FOR ECOLOGY USE ONLY

DATE RECEIVED

Init. ... Date ...
Init. ... Date ...
Revision ☐ Pages ...
Init. ... Date ...
Verified ... Date ...
Batch No. ...
☐A ☐B ☐C

FOR ECOLOGY USE ONLY

SEND TO:

DEPT. OF ECOLOGY
Hazardous Waste Section
Attn: Annual Reports
R/6 Bldg. 4
Mail Stop PV-11
Olympia, WA 98504-8711
Assistance 1-800-874-2022
(206) 459-6387

DUE DATE:

Postmarked
No Later Than

MARCH 1, 1990

WASHINGTON STATE DEPARTMENT OF ECOLOGY

EPA/STATE HAZARDOUS WASTE SITE IDENTIFICATION NUMBER: WAD980725006

COMPANY NAME: GENERAL ELECTRIC

SITE CONTACT PERSON, AND TITLE: LAST OLAFSON FIRST PAUL TITLE MGR SAFETY

PHONE NUMBER: 206-764-4841 ext. ---

4. COMPANY MAILING ADDRESS: GENERAL ELECTRIC
220 SOUTH DAWSON ST
CITY SEATTLE STATE WA ZIP 98108-

5. SITE LOCATION ADDRESS: 637 SOUTH LUCILE ST
CITY SEATTLE STATE WA ZIP 98108-

6. SITE LOCATION COUNTY: KING

7. WASHINGTON DEPT. OF REVENUE REGISTRATION (UBI) NUMBER: 140-689-340

8. STANDARD INDUSTRIAL CLASSIFICATION (SIC) CODES: PRIMARY 3427 SECONDARY ... OTHER ...

9. SITE EMPLOYMENT ON DECEMBER 31, 1989: 120

REGULATORY STATUS CERTIFICATION—Refer to the instructions and the "Guide For Hazardous Waste Generators" (1988 or First Edition) to complete this section. Mark only one entry by placing your initials in the space provided. If none of these conditions apply to you, skip this section and complete the continuation sheet(s).

A. ... B. ... C. ... D. ... E. ... lbs. F. ...

11. CERTIFICATION—I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

M.P. Zimprich
PRINT OR TYPE NAME

Paul Olafson fm M.P. Zimprich
SIGNATURE (must be in ink)

3-1-90
DATE SIGNED

Page 1 of 2 Pages

LUC000309

12. YOUR EPA/STATE I.D. NUMBER: [redacted] WAD980725006

13. DESIGNATED FACILITY (TSD) NAME: [redacted] EPA/STATE I.D. NUMBER: WAD000818709 ADDRESS: [redacted] City: Seattle, State: WA ZIP: 98108

TRANSPORTER [redacted] EPA/STATE I.D. NUMBER: WAD000715315 ADDRESS: 21318 103rd PL S.E. City: Seattle Kent, State: WA ZIP: 98031

15. LINE	WASTE IDENTIFICATION A. Manifest Document Number	B. Manifest Shipment Date (MM DD YY)	C. Status	D. Physical State S=Solid L=Liquid G=Sludge M=Compressed Gas	E. Chemical Nature O=Organic I=Inorganic	F. Waste Description (see instructions)	G. Dangerous Waste Number (see instructions and WAC 173-303)	H. Waste Designation D=DW E=EHW	I. Amount of Waste	J. WEIGHT	K. For TSD Facility Use Only
1	15293	07 31 89		L	I	Phosphoric and Sulfuric acid from metal cleaning	D002 D004 D007 D009 D011	E	1198.8	P	
2	15088	09 26 89		L	O	Phosphoric acid and organic acids from metal cleaning	D002 D011	D	992.5	P	
3	"	"		"	I	Nitric acid and water from metal cleaning	D002 D009 D007 D011	D	5610.6	P	
4	15294	10 03 89		LG	I	Sodium Hydroxide from metal cleaning	D002 D008 D007 D009 D011	D	2981.5	P	
5	"	"		L	I	Sodium Hydroxide & Potassium Permanganate metal cleaning	D002 D011 D009	D	2658.5	P	
6	"	"		"	"	Sodium Chromate & Sodium Nitrate from metal cleaning	D007 D011 D009	D	1926.4	P	
7	"	"		"	"	Sodium Hydroxide from metal cleaning	D002 D009 D007 D010	D	2085.0	P	
8	"	"		"	"	Sodium Hydroxide & Sodium Chromate from metal cleaning	D002 D009 D007 D010	E	2981.5	P	
9	"	"		"	O	1.1.1 Trichloroethane from degreasing	F001 D008 D007 D009 D011	E	550.4	P	
10	15296	12 19 89		L	I	Phosphoric and Sulfuric acid from metal cleaning	D002 D009 D009 D010	E	4363.9	P	
11	"	"		"	"	Hydrochloric, Hydrofluoric and nitric acids from metal cleaning	D002 D008 D004 D009 D007 D010	E	593.3	P	

COMMENTS (Enter information by section and/or line number—see instructions).

ECY 030-28 (Rev 11/89) 2RR-1518 —CONTINUATION SHEET— Form 4

1988 Form 4 GENERATOR ANNUAL DANGEROUS WASTE REPORT 1988

Form 4

DATE RECEIVED

1. COMPANY NAME
GENERAL ELECTRIC CO

2. EPA/STATE HAZARDOUS WASTE SITE IDENTIFICATION NUMBER
WAD980725006

3. SITE CONTACT PERSON
PAUL OLAFSON

CONTACT TITLE
MGR ENVIRON

CONTACT PHONE NUMBER
206 764 4841 ext.

4. SITE LOCATION ADDRESS
Street or Description (see instructions)
637 SOUTH LUCILE ST

City SEATTLE State WA Zip 98108

SITE LOCATION COUNTY KING

5. COMPANY MAILING ADDRESS
Street or P.O. Box
220 SOUTH DAWSON ST

City SEATTLE State WA Zip 98108

6. WASHINGTON STATE DEPT. OF REVENUE REGISTRATION NUMBER
(DO NOT use your Federal Tax Number)
140 689 340

7. STANDARD INDUSTRIAL CLASSIFICATION (SIC) CODES
Primary 3724 Secondary Other

8. SITE EMPLOYMENT ON DECEMBER 31, 1988
35

Init.: Date:
Init.: Date:
Init.: Date
Verified: Date:
Batch No.

9. **REGULATORY STATUS CERTIFICATION**

REFER TO THE INSTRUCTIONS FOR THIS SECTION AND THE "GUIDE TO ANNUAL REPORTING" WORKBOOK BEFORE COMPLETING THIS SECTION. MARK ONLY ONE ENTRY BY PLACING YOUR INITIALS IN THE SPACE PROVIDED. DO NOT COMPLETE PAGE 2 OF THIS REPORTING FORM IF ANY OF THESE CONDITIONS APPLY. IF NONE APPLY, COMPLETE THE ENTIRE FORM AND SKIP THIS SECTION.

A. I.D. NUMBER CANCELLED OR WITHDRAWN—I certify that this site qualifies for this status and that I have read and understand the instructions for this section.

B. EXEMPTIONS—WAC 173-303-017, or WAC 173-303-071, or WAC 173-303-120; or an exemption, variance, or petition pursuant to WAC 173-303-910 has been granted that applies to ALL wastes generated at this site. A WRITTEN, DETAILED EXPLANATION QUOTING WHICH SECTIONS APPLY IS ATTACHED TO THIS REPORT. I understand this does NOT apply to on-site or off-site recycling of wastes, and that recycled wastes and the residues from recycling must be designated and reported

C. TRANSPORTER ONLY—This does NOT apply if waste was generated or a spill cleanup occurred at this site.

D. NO WASTE—I certify that NO WASTE was generated, stored or removed from this site during 1988.

E. ____ lbs SQG—I certify that this site qualifies as an SQG as outlined in the instructions or in the "Guide to Annual Reporting". I have entered the maximum generated, or accumulated on-site prior to shipment during the year in the space provided. I understand this section applies only if this site generated or accumulated less than the QEL for ALL wastes each and every month of 1988.

F. OTHER—You MUST attach a detailed explanation with this form if you are declaring any other reporting exemption, or your form will be rejected.

SEND TO:
DEPARTMENT OF ECOLOGY
HAZARDOUS WASTE SECTION
ATTN. Annual Reports R/8
Mail Stop PV-11
Olympia, WA 98504-8711

FOR ASSISTANCE CALL:
1-800-874-2022
(Seasonal Toll Free Number)
Other times (206) 459-6281

DUE DATE:
Postmarked No Later Than MARCH 1, 1989

CERTIFICATION *I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) or RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.*

M. F. [illegible]
PRINT OR TYPE NAME

SIGNATURE (must be in ink)

3/6/89
DATE SIGNED

Page 1 of 2 Pages

FORM ECY 070-28 (Rev. 12-88) ECL28-1450

Form 4

LUC000311

1988 Form 4 **GENERATOR ANNUAL DANGEROUS WASTE REPORT** Form 4 1988

11 YOUR EPA STATE ID NUMBER: WAD98Ø725Ø46

12 RECEIVING FACILITY (TSD)
EPA STATE ID NUMBER: WADØØ8129Ø9
NAME: CHEMPRO GEORGETOWN
ADDRESS: 734 S. LUCILE ST.
SEATTLE, WA ZIP 98108

13 TRANSPORTER
EPA STATE ID NUMBER: WADØØ71531
NAME: AMALGAMATED SERVICES
ADDRESS: 21318 63RD PL S.E.
KENT, WA 98031

14 LINE	WASTE IDENTIFICATION A. Manifest Document Number	B. Manifest Shipment Date (MM DD YY)	C. Status	D. Physical State S=Solid L=Liquid G=Sludge M=Compressed Gas	E. Chemical Nature O=Organic I=Inorganic	F. Waste Description (see instructions)	G. Dangerous Waste Number (see instructions and WAC 173-303)	H. Waste Designation DW or EHW	I. Amount of Waste	J. WEC IOGDHET	K. For TSD Facility Use Only
1	11022	03 03 88		L	O	1,1,1 TRICHLORDETHANE	F001	EHW	1501.2	P	
2	"	"		"	I	MIXTURE OF ACETIC, HYDROFLUORIC, AND NITRIC ACIDS WITH CHROMIUM & ARSENIC CONTAMINATION	D002 D004 D007	EHW	458.7	P	
3	"	"		"	"	MIXTURE OF PHOSPHORIC AND SULFURIC ACIDS WITH CHROMIUM CONTAMINATION	D002 D007	DW	2066.7	P	
4	09125	10 12 88		"	I	MIXTURE OF PHOSPHORIC AND SULFURIC ACIDS WITH ARSENIC, CHROMIUM and SELENIUM CONTAMINATION	D002 D004 D007 D010	EHW	1513.8	P	
5	"	"		"	IO	MIXTURE OF PHOSPHOLIC AND ORGANIC ACIDS WITH SELENIUM CONTAMINATION	D002 D010	DW	2018.4	P	

15. COMMENTS (Enter information by section and/or line number—see instructions).

PLT 2

1987 Form 4 GENERATOR ANNUAL DANGEROUS WASTE REPORT 1987

PLEASE PRINT OR TYPE (form designed for use on Elite (12-pitch) typewriter).

Form 4

DATE RECEIVED

Init Date
Init Date
Verified Date

1. COMPANY NAME
GENERAL ELECTRIC CO SCMC

2. EPA/STATE HAZARDOUS WASTE IDENTIFICATION NUMBER
WAD988725006

3. LOCATION ADDRESS
Street or Description (see instructions): 637 SOUTH LUCILE ST
City: SEATTLE
State: WA
Zip: 98108

4. LOCATION COUNTY
KING

5. MAILING ADDRESS AND CONTACT PERSON FOR ANNUAL REPORT CORRESPONDENCE
Street or P.O. Box: 220 SOUTH DAWSON ST
City: SEATTLE
State: WA
Zip: 98108
Contact: PAUL OLAFSON
Phone: 206 764 4841

6. DELETED

7. WASHINGTON STATE DEPT. OF REVENUE REGISTRATION NUMBER
(DO NOT use your Federal Tax Number)
140-689-340

8. STANDARD INDUSTRIAL CLASSIFICATION (SIC) CODES
Primary: 3724
Secondary:
Other:

9. SITE EMPLOYMENT ON DECEMBER 31, 1987
75

10. REGULATORY STATUS—Check the appropriate box—(read the instructions prior to completing this section)

- [ ] 1. Installation Closed
  - [ ] 1.a. Closed and NO waste generated in 1987 (complete page 1 only)
  - [ ] 1.b. Closed and waste WAS GENERATED OR REMOVED from site in 1987 (complete entire form)
- [ ] 2. All waste at this site exempted by WAC 173-303-017 (explanation MUST be provided, complete page 1)
- [ ] 3. Transporter Only—NO waste generated (you MUST complete page 1) (If waste was generated complete entire form)
- [X] 4. NO dangerous waste generated or removed from this site during 1987.
- [ ] 5. All wastes generated at this site were subject to WAC 173-303-070(8) (You MUST complete 5a and 5b).
  - [ ] 5a. Maximum generated in any month or batch: [ ] < 100 pounds [ ] 100 pounds to 220 pounds (complete page 1.)
  - [ ] 5b. Maximum accumulated on-site prior to shipment, specify (in pounds): _____ (if the amount in 5.b. is greater than the QEL you must complete entire form)
- [ ] 6. Other (include a cover letter detailing your basis for exemption from reporting).

SEND TO:

DEPARTMENT OF ECOLOGY
HAZARDOUS WASTE SECTION
ATTN. Annual Reports R/6
Mail Stop PV-11
Olympia, WA 98504-8711

Phone Numbers for Assistance:
(206) 459-6369
6504
6305

11. DELETED

12. CERTIFICATION I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization program under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.

AL DiVincenzo
PRINT OR TYPE NAME

FOR A.L. DiVINCENZO
SIGNATURE (must be in ink)

3/1/88
DATE SIGNED

DUE DATE:
Postmarked No Later Than
MARCH 1, 1988

LUC000313

1987 Form 4 GENERATOR ANNUAL DANGEROUS WASTE REPORT Form 4 1987

13. YOUR EPA/STATE I.D NUMBER	14. RECEIVING FACILITY (TSD)	15 TRANSPORTER
WA	EPA/STATE I.D NUMBER NAME ADDRESS ZIP	EPA STATE I.D NUMBER NAME ADDRESS ZIP

16. WASTE IDENTIFICATION										
LINE	A. Manifest Document Number	B. Manifest Shipment Date (MM DD YY)	C. Status	D. Physical State S=Solid L=Liquid G=Sludge M=Compressed Gas	E. Chemical Nature O=Organic I=Inorganic	F. Waste Description (see instructions)	G. Dangerous Waste Number (see instructions and WAC 173-303)	H. Waste Designation DW or EHW	I. Amount of Waste	J. WEC TO GO HE T / K. For TSD Facility Use Only

17 COMMENTS (Enter information by section and or line number—see instructions).

1986 Form 4 GENERATOR ANNUAL DANGEROUS WASTE REPORT

PLEASE PRINT OR TYPE (form designed for use on Elite (12-pitch) typewriter)

1. COMPANY NAME
GENERAL ELECTRIC CO SCMC SEATT

2. EPA/STATE HAZARDOUS WASTE IDEN
WAD98Ø72589

3. LOCATION ADDRESS
Street or Description (see instructions): 637 S. LUCILE ST
City: SEATTLE
State: WA
Zip: 98108

4. LOC
KIN

5. MAILING ADDRESS AND CONTACT PERSON FOR ANNUAL REPORT CORRESPONDENCE
Street or P.O. Box: 22Ø S. DAWSON St
City: SEATTLE
State: WA
Zip: 98108
Contact: PAUL S OLAFS
Phone: 296

6. MAILING ADDRESS AND CONTACT PERSON FOR GENERATOR FEE CORRESPONDENCE
Street or P.O. Box: 22Ø S DAWSON ST
City: SEATTLE
State: WA
Zip: 98108
Contact: PAUL S OLAFS
Phone: 296

7. WASHINGTON STATE DEPT. OF REVENUE REGISTRATION NUMBER (DO NOT use your Federal Tax Number)
14Ø 689 34Ø

8. STANDARD INDUSTRIAL CLASSIFICATION (SIC) CODES
Primary: 3724
Secondary:
Other:

10. REGULATORY STATUS—If your company meets any of the conditions below, you are exempt from completing page 2 of the report. (Check the appropriate box)

- [ ] 1. Site Closed (date closed:) (must be prior to January 1, 1986)).
- [ ] 2. All wastes generated at this site were exempted by WAC 173-303-017 (NOTE: Section 017 was changed substantially in 1986, refer to instructions)
- [ ] 3. Option Deleted (do not use)
- [ ] 4. NO Dangerous Waste generated at this site during 1986.
- [ ] 5. All wastes generated at this site were subject to WAC 173-303-070(8) (You MUST complete 5a and 5b)
  - [ ] 5a. Maximum generated in any month or batch: [ ] 1-100 pounds [ ] 100-220 pounds [ ] 220-400 pounds.
  - [ ] 5b. Maximum accumulated on-site prior to shipment, specify (in pounds)
- [ ] 6. Other (include a cover letter detailing your basis for exemption from reporting)

[ ] ONE-TIME-ONLY/ONCE-A-YEAR GENERATOR STATUS: Regulated dangerous waste was generated only one time during calendar year 1986. Refer to instructions and WAC 173-305-040 to determine if you are a one-time-only generator. If this status applies to you, you must still complete page two of this report

CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. Unless I am a small quantity generator who [illegible] I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree determined by me to be economically practicable and that I have selected the method of treatment, storage or disposal currently available to me which minimizes the present and future threat to human health and the environment.

A.L. DUNSMUIR

LUC000315

GENERATOR ANNUAL DANGEROUS WASTE REPORT — Form 4 — 1986

G FACILITY (TSD)	NAME: CHEMICAL PROCESSORS, INC	15. TRANSPORTER	NAME: AMALGAMATED SERVICES INC
I. NUMBER	ADDRESS: 734 S. LUCILE ST	EPA/STATE I.D. NUMBER	ADDRESS: 21318 103rd PL S.E.
0 0 8 1 2 9 0 9	SEATTLE WA ZIP: 98108	W A D 0 0 0 7 1 1 5 3 1	KENT WA ZIP 98031

D. Physical State S=Solid L=Liquid G=Sludge M=Compressed Gas	E. Chemical Nature O=Organic I=Inorganic	F. Waste Description (see instructions)	G. Dangerous Waste Number (see instructions and WAC 173-303)	H. Waste Designation DW or EHW	I. Amount of Waste	J. WECIOGDHET	K. For TSD Facility Use Only
L	I	SODIUM HYDROXIDE - CORROSIVE - METAL CLEANING	D002	DW	642	P	
L	O	1.1.1 TRICHLOROETHANE PARTS DEGREASING (STILL BOTTOMS)	F001	EHW	2819	P	
L	I	NITRIC ACID - CORROSIVE - METAL PART CLEANER	D002	DW	4770	P	
L	I	SODIUM HYDROXIDE - CORROSIVE - METAL PART CLEANER	D002	DW	954	P	
L	I	NITRIC ACID - CORROSIVE - METAL PART CLEANER	D002	DW	5204	P	
L	I	HYDROFLUORIC ACID - CORROSIVE - METAL PART CLEANER	D002 WT02	DW	1718	P	
L	O	1.1.1 TRICHLOROETHANE PARTS DEGREASING RECYCLED ON-SITE	F001	EHW	8052	P	
		* THIS ITEM SHOULD BE ON A SEPARATE SHEET			16,107 *		

section and/or line number—see instructions).
DICATES ON-SITE RECYCLING WHICH OCCURED BETWEEN JULY 3 1986 AND DECEMBER 31 1986. PRIOR TO ANY WAS EXEMPT FROM REPORTING UNDER WAC 173-303-017 (2)(a) THIS WAS 1985 DWS WASTE REGULATIONS

LUC000316

PLT 2

1985 Form 4 GENERATOR ANNUAL DANGEROUS WASTE REPORT 1985

Form 4

PLEASE PRINT OR TYPE (form designed for use on Elite (12-pitch) typewriter).

1. COMPANY NAME: GENERAL ELECTRIC COMPANY

2. EPA/STATE HAZARDOUS WASTE IDENTIFICATION NUMBER: WAD980725006

LOCATION ADDRESS
Street or Description (see instructions): 637 S LUCILLE STREET
City: SEATTLE
State: WA
Zip: 98108

4. LOCATION COUNTY: KING

5. MAILING ADDRESS AND CONTACT PERSON FOR ANNUAL REPORT CORRESPONDENCE
Street or P.O. Box: 220 SOUTH DAWSON STREET
City: SEATTLE
State: WA
Zip: 98108
Contact: STEVEN L HOLEN
Phone: 206 764 4873

MAILING ADDRESS AND CONTACT PERSON FOR GENERATOR FEE CORRESPONDENCE
Street or P.O. Box: 220 SOUTH DAWSON STREET
City: SEATTLE
State: WA
Zip: 98108
Contact: ALLAN FREETAGE
Phone: 206 764 4860

DATE RECEIVED

7. WASHINGTON STATE DEPT. OF REVENUE REGISTRATION NUMBER: 140-689-340

8. STANDARD INDUSTRIAL CLASSIFICATION (SIC) CODES
Primary: 7699
Secondary:
Other:

9. SITE EMPLOYMENT ON DECEMBER 31, 1985: 106

10. REGULATORY STATUS—If your company meets any of the conditions below, you are exempt from completing page 2 of the report. (Circle the appropriate number)

1. Installation Closed—No longer conducting business at this site. (date closed: _____ (must be prior to January 1, 1985)).
2. Recycling—all wastes were recycled in a manner exempted by WAC 173-303-017.
3. All waste materials are not a solid waste as defined by WAC 173-303-016.
4. Did NOT generate Dangerous Waste at this site during 1984.
5. Small Quantity Generator—did not generate or accumulate a regulated quantity of dangerous waste during 1984 (complete 5a and 5b).
   5a. Maximum generated in any month or batch (see instructions) was: [ ] < 100 pounds [ ] 100-220 pounds [ ] 220-400 pounds.
   5b. Maximum Quantity accumulated on-site prior to shipment, specify amount (in pounds): _____
6. Other (include a cover letter detailing your basis for exemption from reporting).

11. ONE-TIME-ONLY GENERATOR STATUS: Regulated dangerous waste was generated only one time during calendar year 1984. Refer to instructions and WAC 173-305-040 to determine if you are a one-time-only generator. If this status applies to you, you must still complete page two of this report.

SEND TO:
DEPARTMENT OF ECOLOGY
HAZARDOUS WASTE SECTION
ATTN. Annual Reports R/6
Mail Stop PV-11
Olympia, WA 98504-8711

Phone Numbers for Assistance:
(206) 459-6504
6308
6305

DUE DATE:
Postmarked No Later Than
MARCH 1, 1986

12. CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3005(h) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage or disposal currently available to me which minimizes the present and future threat to human health and the environment.

A. ~~L. Divincenzo~~ Steven L. Holen
PRINT OR TYPE NAME

SIGNATURE

DATE

LUC000317

1985 Form 4 GENERATOR ANNUAL DANGEROUS WASTE REPORT Form 4 1985

13. YOUR EPA/STATE I.D. NUMBER: WAD980725006

14. RECEIVING FACILITY (TSD)
EPA/STATE ID NUMBER: WAD000812909
NAME: Chemical Processors Inc.
ADDRESS: 734 South Lucille St.
Seattle, WA 98134
206-767-0350

15 TRANSPORTER
EPA/STATE ID NUMBER: WAD000711531
NAME Amalgamated Services Inc.
ADDRESS 21312 -103rd Pl. S. E.
Kent, WA 98031
206-854-6643

Weight Code

16. WASTE IDENTIFICATION

LINE	A. Manifest Document Number	B. Manifest Shipment Date (MM DD YY)	C. Status	D. Physical State S=Solid L=Liquid G=Sludge M=Compressed Gas	E. Chemical Nature O=Organic I=Inorganic	F. Waste Description (see instructions)	G. Dangerous Waste Number (see instructions and WAC 173-303)	H. Waste Designation DW or EHW	I. Amount of Waste	J.	K. For TSD Facility Use Only
1	0249	09 04 85		L	O	Waste Nitric Acid Oxidizer	D002 D007 D004	EHW	255	P	
2	0249	09 04 85		L	O	Waste Nitric Acid Corrosive Mat.	D002 D008	EHW	170	P	
3	0249	09 04 85		L	O	Waste Hydrofluoric Acid Corrosive Mat.	D002	~~EHW~~ DW	255	P	
4	0249	09 04 85		L	O	1.1.1. Trichloroethane	F002	EHW	1600	P	
5	0727	09 09 85		L	O	Waste Alkaline Cleaner	D002	~~EHW~~ DW	3450	P	
6	0727	09 09 85		L	O	1.1.1. Trichloroethane	F002	EHW	400	P	
7											
8											
9											
10											
11											
12											
13											
14											
15											

17. COMMENTS (Enter information by section and/or line number—see instructions).

LUC000318

1984

GENERATOR ANNUAL DANGEROUS WASTE REPORT

Form 4

1. COMPANY NAME: GENERAL ELECTRIC COMPANY

2. EPA/STATE HAZARDOUS WASTE IDENTIFICATION NUMBER: WAD 980725010 6

3. LOCATION ADDRESS (Street or Description (see instructions)): 637 SOUTH LUCILLE STREET; City: SEATTLE; State: WA; Zip: 98108

4. LOCATION COUNTY: KING

DATE INTO DEPT.

5. MAILING ADDRESS AND CONTACT PERSON FOR ANNUAL REPORT CORRESPONDENCE (Street or P.O Box): 637 SOUTH LUCILLE STREET; City: SEATTLE; State: WA; Zip: 98108; Contact: DONALD R JOHNSON; Phone: 206-764-4820

6. MAILING ADDRESS AND CONTACT PERSON FOR GENERATOR FEE CORRESPONDENCE (Street or P.O Box): 637 SOUTH LUCILLE STREET; City: SEATTLE; State: WA; Zip: 98108; Contact: ALLEN F. FREETAGE; Phone: 206-764-4860

7. WASHINGTON STATE DEPT. OF REVENUE REGISTRATION NUMBER: 140-689-340

8. STANDARD INDUSTRIAL CLASSIFICATION (SIC) CODES: Primary 7699

9. SITE EMPLOYMENT ON DECEMBER 31, 1984: 150

10. REGULATORY STATUS—If your company meets any of the conditions below, you are exempt from completing page 2 of the report. (Circle the appropriate number)

1. Installation Closed (specify date: _____) no longer conducting business at this site.
2. Recycling—all wastes were recycled in a manner exempted by WAC 173-303-017.
3. All waste materials are not a solid waste as defined by WAC 173-303-016.
4. Did NOT generate Dangerous Waste at this site during 1984.
5. Small Quantity Generator—did not generate or accumulate a regulated quantity of dangerous waste during 1984 (complete 5a and 5b).
   5a. Maximum generated in any month or batch (see instructions) was: ☐ < 100 pounds ☐ 100-220 pounds ☐ 220-400 pounds.
   5b. Maximum Quantity accumulated on-site prior to shipment, specify amount: _____
6. Other (include a cover letter detailing your basis for exemption from reporting).

11. ☐ ONE-TIME-ONLY GENERATOR STATUS: Regulated dangerous Waste was generated only one time during calendar year 1984. Refer to instructions and WAC 173-305-040 to determine if you are a one-time-only generator. If this status applies to you, you must still complete page two of this report.

SEND TO:
DEPARTMENT OF ECOLOGY
HAZARDOUS WASTE SECTION
ATTN. Annual Reports R/6
Mail Stop PV-11
Olympia, WA 98504-8711

Phone Numbers for Assistance:
(206) 459-6300 or 650414
6314 or 6306
6305

DUE DATE:
Postmarked No Later Than
MARCH 1, 1985

12. CERTIFICATION: I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Donald R. Johnson 2-27-85
PRINT OR TYPE NAME

DRJ
SIGNATURE

2/27/85
DATE SIGNED

FORM ECY 020-28 (Rev. 12-84) ECL29-864

Page 1 of _____

LUC000319

ATTACHMENT I

METRO Compliance History Summary

GE Aircraft Engines - SCMC / Seattle
637 So. Lucile St.
Seattle, WA 98108

Date:	Reference:	Description:
1983:		
06-16-83:	Chemical Analyses:	Sampling data received from Am Test Inc.
06-25-83:	Pretreatment:	Pretreatment Baseline Report - Electroplating Category (40CFR 413).
09-13-83:	Affidavit of Publication:	Affidavit of Publication illustrates the Seattle Post-Intelligencer Newspaper advertisement of the filing of a permit for waste water discharge to METRO.
10-13-83:	Category Determination:	GE Aircraft Engines recommendations on waste water permitting.
1984:		
04-27-84:	Draft Permit:	Draft waste water discharge permit submittal to METRO includes all compliance related information.
07-30-84:	Letter:	Letter from GE to METRO submitting Application for Laboratory Acceptance.
08-14-84:	Letter:	Letter from METRO to GE indicating compliance status.
10-17-84:	Memo:	Internal memo indicating September sampling data by METRO, request to repair cracked glass on water meter, total waste water exceedances of the 10,000 GPD limit and request to install a separate meter.
10-25-84:	Internal Memo:	Internal memo indicating exceedance of 7,950 GPD waste water discharge limit and request for evaporative losses data.
1985:		
01-08-85:	Final Permit:	Waste Water Discharge Permit # 7211 issued 1/8/85. Term: five years.
01-15-85:	Letter:	Letter from METRO to GE with enclosed final permit #7211.
02-18-85:	Letter:	GE request to METRO to consider scrubber water as process water per section S7-A of permit 7211 and rerouting of the

Date:	Reference:	Description:
		degreaser cooling water per section S7-B.
03-07-85:	Letter:	Letter from GE to METRO requesting waiver of the laboratory testing of Cyanide.
04-25-85:	Letter:	Letter from METRO to GE denoting waiver of the laboratory testing of Cyanide.
05-10-85:	Letter:	Letter from GE to METRO requesting changes to permit #7211 as follows: Industrial Waste Water 5,000 (to include 2000 GPD Air scrubber water) Cooling water (non-contact) 1,400 Sanitary Waste Water (max 65 people) 2,275 ===== 8,675 GPD
1986:		
03-03-86:	Self Monitoring Report (SMR):	January 1986 SMR submitted after due date and denotes an exceedance of industrial and/or total gallons per day permit limit.
3-31-86:	Self Monitoring Report:	February 1986 SMR submitted after due date and denotes an exceedance of industrial and/or total gallons per day permit limit.
04-18-86:	Self Monitoring Report:	March 1986 SMR submitted after due date and denotes an exceedance of industrial and/or total gallons per day permit limit.
05-01-86:	Self Monitoring Report:	May 1986 SMR submittal date undetermined and denotes an exceedance of industrial and/or total gallons per day permit limit.
06-09-86:	Self Monitoring Report:	April 1986 SMR submitted after due date and denotes an exceedance of industrial and/or total gallons per day permit limit.
07-11-86:	Self Monitoring Report:	June 1986 SMR denotes exceedances of the lead pounds per

METRO Compliance History Summary

GE Aircraft Engines - SCMC / Seattle
637 So. Lucile St.
Seattle, WA 98108

Date:	Reference:	Description:
		day permit limit and industrial and/or total gallons per day permit limit.
08-05-86:	Self Monitoring Report:	July 1986 SMR denotes an exceedance of industrial and/or total gallons per day permit limit.
09-15-86:	Self Monitoring Report:	August 1986 SMR denotes an exceedance of industrial and/or total gallons per day permit limit.
10-15-86:	Self Monitoring Report:	September 1986 SMR denotes an exceedance of industrial and/or total gallons per day permit limit.
11-21-86:	Self Monitoring Report:	October 1986 SMR submitted after due date and denotes an exceedance of industrial and/or total gallons per day permit limit.
12-14-86:	Self Monitoring Report:	November 1986 SMR denotes exceedances of; copper pounds per day permit limit, lead pounds per day permit limit and industrial and/or total gallons per day permit limit.
1987:		
01-13-87:	Self Monitoring Report:	December 1986 SMR denotes an exceedance of industrial and/or total gallons per day permit limit.
02-16-87:	Self Monitoring Report:	January 1987 SMR denotes an exceedance of industrial and/or total gallons per day permit limit.
03-13-87:	Self Monitoring Report:	February 1987 SMR denotes an exceedance of industrial and/or total gallons per day permit limit.
03-30-87:	Self Monitoring Report:	March 1987 SMR denotes an exceedance of industrial and/or total gallons per day permit limit.
05-20-87:	Self Monitoring Report:	April 1987 SMR submitted after due date and denotes an exceedance of industrial and/or total gallons per day permit limit.
06-10-87:	Self Monitoring Report:	May 1987 SMR denotes an exceedance of industrial and/or total gallons per day permit limit.

METRO Compliance History Summary

GE Aircraft Engines - SCMC / Seattle
637 So. Lucile St.
Seattle, WA 98108

Date:	Reference:	Description:
07-15-87:	Self Monitoring Report:	June 1987 SMR denotes an exceedance of industrial and/or total gallons per day permit limit.
08-12-87:	Self Monitoring Report:	July 1987 SMR denotes an exceedance of industrial and/or total gallons per day permit limit.
09-14-87:	Self Monitoring Report:	August 1987 SMR denotes an exceedance of industrial and/or total gallons per day permit limit.
10-15-87:	Self Monitoring Report:	September 1987 SMR denotes an exceedance of industrial and/or total gallons per day permit limit.
11-16-87:	Self Monitoring Report:	October 1987 SMR denotes an exceedance of industrial and/or total gallons per day permit limit.
12-01-87:	Self Monitoring Report:	November 1987 SMR denotes an exceedance of industrial and/or total gallons per day permit limit.
1988:		
01-15-88:	Self Monitoring Report:	December 1987 SMR denotes an exceedance of industrial and/or total gallons per day permit limit.
02-15-88:	Self Monitoring Report:	January 1988 SMR denotes an exceedance of industrial and/or total gallons per day permit limit.
03-15-88:	Self Monitoring Report:	February 1988 SMR denotes an exceedance of industrial and/or total gallons per day permit limit.
04-15-88:	Self Monitoring Report:	March 1988 SMR denotes an exceedance of industrial and/or total gallons per day permit limit.
05-13-88:	Self Monitoring Report:	April 1988 SMR denotes an exceedance of industrial and/or total gallons per day permit limit.
06-15-88:	Self Monitoring Report:	May 1988 SMR denotes an exceedance of industrial and/or total gallons per day permit limit.
07-18-88:	Self Monitoring Report:	June 1988 SMR submitted after due date and denotes an exceedance of industrial and/or total gallons per day permit limit.

METRO Compliance History Summary

GE Aircraft Engines - SCMC / Seattle
637 So. Lucile St.
Seattle, WA 98108

Date:	Reference:	Description:
08-15-88:	Self Monitoring Report:	July 1988 SMR has no report on file.
09-15-88:	Self Monitoring Report:	August 1988 SMR denotes an exceedance of industrial and/or total gallons per day permit limit.
10-13-88:	Self Monitoring Report:	September 1988 SMR denotes an exceedance of industrial and/or total gallons per day permit limit.
11-15-88:	Self Monitoring Report:	October 1988 SMR denotes an exceedance of industrial and/or total gallons per day permit limit.
12-15-88:	Self Monitoring Report:	November 1988 SMR denotes an exceedance of industrial and/or total gallons per day permit limit.
1989:		
01-13-89:	Self Monitoring Report:	December 1988 SMR no record on file for discharge flows.
02-09-89:	Letter:	Letter from METRO to GE indicting expiration date of January 8, 1990 for permit #7211.
02-13-89:	Self Monitoring Report:	January 1989 SMR denotes exceedances of copper pounds per day permit limit and industrial and/or total gallons per day permit limit.
03-13-89:	Self Monitoring Report:	February 1989 SMR denotes an exceedance of industrial and/or total gallons per day permit limit.
04-13-89:	Letter:	Letter from GE to METRO indicating discharge rate exceedances, corrective action of April 3, 1989, and expected reduction in overall discharge rate.
04-13-89:	Self Monitoring Report:	March 1989 SMR denotes an exceedance of industrial and/or total gallons per day permit limit.
05-12-89:	Self Monitoring Report:	April 1989 SMR no record was available for discharge values.
06-14-89:	Self Monitoring Report:	May 1989 SMR no record was available for discharge values.
07-14-89:	Self Monitoring Report:	June 1989 SMR no record was available for discharge values.

METRO Compliance History Summary

GE Aircraft Engines - SCMC / Seattle
637 So. Lucile St.
Seattle, WA 98108

Date:	Reference:	Description:
05-15-89:	Self Monitoring Report:	July 1989 SMR denotes an exceedance of the industrial discharge gallons per day limit.
09-18-89:	Self Monitoring Report:	August 1989 SMR submitted after due date and denotes an exceedance of the industrial discharge gallons per day limit.
10-15-89:	Self Monitoring Report:	September 1989 SMR was not on file.
11-15-89:	Self Monitoring Report:	October 1989 SMR was not on file.
12-15-89:	Self Monitoring Report:	November 1989 SMR was not on file.
1990:		
01-15-90:	Self Monitoring Report:	December 1989 SMR was not on file.
01-03-90:	Renewed Permit:	Waste Water Discharge Permit # 7211 issued 1/8/85, was re-issued on 1/8/1990. Next expiration date: 1/8/1995.
02-15-90:	Self Monitoring Report:	January 1990 SMR was not on file.
03-15-90:	Self Monitoring Report:	February 1990 SMR submittal date unconfirmed.
04-15-90:	Self Monitoring Report:	March 1990 SMR submittal date is unconfirmed and denotes exceedances for; the copper daily maximum; the copper pounds per day limit; and the total industrial discharge gallons per day limit.
05-14-90:	Self Monitoring Report:	April 1990 SMR denotes exceedances for; the copper pounds per day permit limit, the zinc pounds per day limit, and the total industrial discharge gallons per day limit.
06-13-90:	Self Monitoring Report:	May 1990 SMR denotes an exceedance for the total industrial discharge gallons per day limit.
07-19-90:	Self Monitoring Report:	June 1990 SMR submitted after due date, denotes exceedances for the copper pounds per day permit limit and the total discharge gallons per day limit.
08-15-90:	Self Monitoring Report:	July 1990 SMR was not on file for industrial and total

METRO Compliance History Summary

GE Aircraft Engines - SCMC / Seattle
637 So. Lucile St.
Seattle, WA 98108

Date:	Reference:	Description:
		discharge gallons per day values.
08-15-90:	Letter:	Letter to file denotes failure to comply with monthly self-monitoring reports during transitional period of EH&S management and copper discharge reduction project.
09-14-90:	Self Monitoring Report:	August 1990 SMR denotes exceedances of; the chromium pounds per day permit limit, the copper pounds per day permit limit, and the total discharge gallons per day limit.
10-12-90:	Self Monitoring Report:	September 1990 SMR denotes exceedances of the copper pounds per day permit limit and the total discharge gallons per day limit.
11-15-90:	Self Monitoring Report:	October 1990 SMR denotes exceedances of the copper pounds per day permit limit and the total discharge gallons per day limit.
11-26-90:	Revised discharge limits:	METRO advisory indicating revised discharge limits applicable to all permitted or non-permitted facilities.
12-11-90:	Letter of request	Letter from GE to METRO requesting permit cancellation and advisory of the modification to the SUMMA process operations.
12-15-90:	Self Monitoring Report:	November 1990 SMR was not on file.
1991:		
01-03-91:	Permit cancellation:	Letter from METRO indicating response to request to cancel permit. Permit cancellation was effective on January 3, 1991.
01-15-91:	Self Monitoring Report:	December 1990 SMR was not on file.
02-13-91:	Permit reinstatement:	METRO acknowledgement of telephone request to reinstate Permit #7211 to allow for passivating operations introduction.
04-22-91:	Permit cancellation:	Request to close permit with indications of compliance during the preceding 3 month period.
1992:		

METRO Compliance History Summary

GE Aircraft Engines - SCMC / Seattle
637 So. Lucile St.
Seattle, WA 98108

Date:	Reference:	Description:
12-09-92:	Permit cancellation:	Confirmation from METRO indicating that permit #7211 was cancelled effective April 24, 1991.

ATTACHMENT J

DRILLING AND SOIL REMEDIATION PROGRAMS AND LABORATORY ANALYTICAL RESULTS

1.0 DRILLING PROGRAM

1.1 INTRODUCTION

Nine soil borings (B-1 through B-9) and three hand auger borings (HA-1 through HA-17) were drilled between May 4, 1992 and September 1994. (See Figure 5 for boring locations). The locations and analyses conducted were selected based on Dames & Moore's understanding of GEAE's prior operations at the facility and our visual observations of current conditions. Based on this information, several potential areas of concern were identified, as outlined in Table G-1.

1.2 DRILLING PROCEDURES

The drilling activities were performed by GeoBoring and Development Inc. of Puyallup, Washington, or Cascade Drilling, Inc. of Woodinville, Washington, licensed Washington state drilling contractors. All of the drilling and soil sampling was conducted under the observation of a Dames & Moore geologist. The drilled borings were completed using a truck-mounted rig equipped with a hollow-stem auger. Several of the borings were drilled after a hole was cored within the concrete floorslab by a concrete coring subcontractor.

All downhole drilling equipment, including auger sections and the hammer, were steam cleaned prior to drilling at each boring location. At the completion of each soil boring and hand auger boring, it was abandoned by backfilling each hole with bentonite and topping it off with concrete flush with the surrounding surface grade. Soil cuttings were placed in a labeled 55-gallon steel drum, and were disposed of by GEAE.

Prior to initiating the drilling and sampling program, a site specific health and safety plan was prepared. The measures outlined therein were implemented during the drilling program. Utility companies with a potential for underground utilities in the area were notified and their utilities were marked prior to initiating drilling at the subject property.

1.3 SOIL SAMPLING PROCEDURES

Soil samples were collected during drilling using a Dames & Moore U-Type split spoon sampler fitted with stainless steel sleeves. Soil samples were collected at 2-1/2 foot intervals within the borings. Soil samples from the hand auger bit were extracted into laboratory prepared glass jars. A detailed log of the

subsurface materials was maintained by the Dames & Moore geologist who described the soils in accordance with the Unified Soils Classification System (USCS). Particular attention was given to noting visual evidence of contamination, odors, or other relevant features. In addition, the soil cuttings and samples were screened in the field for volatile organic compounds (VOCs) with an Organic Vapor Monitor (OVM). The logs of the borings are included in this attachment.

All sampling equipment utilized to collect analytical samples was decontaminated in the field using the following procedures:

- non-phosphate detergent wash (i.e., Alconox)
- distilled water rinse
- air dry

The soil sample rings were capped with Teflon sheets and tight fitting plastic end caps. Sample jars for the hand auger samples had plastic screw-on caps. All samples were properly labelled and then placed into a cooler containing "blue" ice for delivery to the laboratory. A chain-of-custody form accompanied the samples to the laboratory.

1.4 RESULTS OF LABORATORY ANALYSES

A summary of the laboratory analyses performed and the analytical results are summarized in Tables G-2 through G-5. Field evidence and the analytical results indicate that concentrations of the detected compounds do not exceed the method A cleanup levels for soil specified in the Washington Model Toxics Control Act (MTCA) at the sampling locations, except those collected in the punch press area (B-4), compressor area (HA-6), and former Kirk property (HA-17).

2.0 SOIL REMEDIATION PROGRAM

2.1 INTRODUCTION

Based on the results of the drilling and sampling program, at the request of GEAE, soil was removed from two areas where concentrations exceeded the MTCA method A cleanup level. On October 25 and 26, 1994, a total of approximately 25 cubic yards of petroleum-affected soil was removed from the punch press and compressor areas. See Figures 5 and 7 for excavation locations.

2.2 EXCAVATION PROCEDURES

The excavating procedures were performed by O'Sullican Omega of Seattle, Washington, a licensed contractor. All of the excavation activities were conducted under the observation of a Dames & Moore geologist. Soil was removed from each excavation using a backhoe, after removal of the concrete slab by a concrete sawing contractor.

Soil removed from each excavation was temporarily stockpiled on site, then transported offsite by O'Sullivan Omega to a licensed treatment/disposal facility.

Upon completion of removal of the affected soil and collection of the confirmatory post-excavation soil samples, each excavation was backfilled and compressed, and the concrete slab was replaced, under the supervision of a Dames & Moore geotechnical engineer.

2.3 SOIL SAMPLING PROCEDURES

During the excavation activities, soil in the excavation was field-screened by a Dames & Moore geologist using thin-layer chromatography. Soil was removed from each excavation until the field screening results indicated that petroleum contaminated soil was sufficiently removed.

Three post-excavation soil samples (PPE-1, PPE-2, and PPE-3; and CPE-1, CPE-2, and CPE-3) were collected from each excavation using the backhoe bucket and placed into laboratory prepared glass jars. In addition, three soil samples (SS-P-1, SS-C-1 and SS-C-2) were collected from the contaminated soil stockpiles for disposal purposes.

All sampling equipment was decontaminated and the samples were handled in the manner outlined above in Section 1.3.

2.4 RESULTS OF LABORATORY ANALYSES

A summary of the analytical results is presented in Table G-6. Field evidence and the analytical results indicate that concentrations of total petroleum hydrocarbons as oil, when detected in the post-excavation samples, do not exceed the MTCA method A soil cleanup levels. Therefore, it is our professional opinion that the petroleum-affected soil was sufficiently removed from the punch press and compressor areas.

TABLE G-1

SUMMARY OF SOIL SAMPLING LOCATIONS AND LABORATORY ANALYSIS
GEAE PLANT 2

Potential Area of Concern	Number of Borings	Boring I.D.	Analytical Parameters			Date Sampled
			VOC[1]	TPH[2]	Metals[3]	
1. Former Outdoor Drum Storage Area/Compressor Area	2	B-1 & HA-2	x	x	x	1992
2. Summa Room/Deburring Area	2	HA-1 & HA-3	x	x	x	1992
3. Summa Room/Deburring Area/ Vapor Degreaser	3	B-6, B-7, & HA-4	x	x	x	1994
4. Former Outdoor Drum Storage Area/Compressor Area	4	B-8, B-9, HA-6, & HA-11	x	x[4]		1994
5. Paint Booth	1	B-2	x	x		1994
6. Punch Press Area	2	B-3 & B-4	x	x		1994
7. Background	2	B-5 & HA-10	x[5]	x		1994
8. Water Tank Test Area & Machine Shop	4	HA-9, HA-12, HA-13, & HA-14	x	x		1994
9. Clean Room	2	HA-7 & HA-8	x[5]	x	x	1994
10. Indoor Waste/Flammable Material Storage Area	1	HA-5	x	x		1994
11. Sump	1	HA-15[6]	x	x	x	1994
12. Former Kirk Property	2	HA-16 & HA-17[6]	x	x[7]	x	1994

Notes:

[1] VOC - Priority Pollutant Volatile Organic Compounds (Methods 8240)
[2] TPH - Total Petroleum Hydrocarbons (Method 418.1)
[3] Metals - RCRA Metals plus nickel (Methods 6000/7000 series)
[4] HA-11 also analyzed for BTEX (Method 8020)
[5] HA-8 and HA-10 analyzed for halogenated VOCs using Method 8010, not Method 8240
[6] HA-15, HA-16, and HA-17 also analyzed for pH
[7] HA-16 and HA-17 also analyzed for hydrocarbon identification by WTPH-HCID

TABLE G-2

SUMMARY OF SOIL ANALYTICAL RESULTS (1992)
METALS
GEAE PLANT 2

Compound		Arsenic (mg/kg)	Barium (mg/kg)	Cadmium (mg/kg)	Chromium (Total) (mg/kg)	Lead (mg/kg)	Mercury (Inorganic) (mg/kg)	Nickel (Soluble) (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)
Sample No.	Depth (ft)									
HA1-1C	2-2½		37.8	1.4	8.7		0.14	10.4		0.72
HA1-2C	4-5½	1.6 U	23.6	0.60	8.6	5.0	0.12 U	10.9	0.4 UJ	0.53
HA2-1C	1½-2½	1.4 U	44.9	1.0	12.3	3.7	0.13 U	6.3	0.4 UJ	0.66
HA3-1C	2-3		35.7	1.1	13.2		0.12 U	4.9		0.60 U
HA3-2C	5½-6½	1.8 U	22.6	0.41	6.7	1.9	0.10 U	4.4	0.4 UJ	0.52 U
PL-2/B1-10	9½-10	1.2 U	13.9	0.39	4.0	1.2	0.11 U	4.1	0.3 UJ	0.58 U
MTCA Method A Soil Cleanup Level (mg/kg)		20	--	2.0	100	250	1.0	--	--	--
MTCA Method B Soil Cleanup Level (mg/kg)		--	5600	--	--	--	--	1600	400	240

Notes:

J = The associated value is an estimated quantity.
U = The compound was not detected above the level of the associated value.
The associated value is either the sample quantitation limit or the sample detection limit.
UJ = The compound was not detected above the value of the associated detection limit.
The detection limit is an estimated quantitation.
Samples analyzed by Methods 6000/7000 Series.

TABLE G-3

SUMMARY OF SOIL ANALYTICAL RESULTS (1992)
TPH AND VOLATILE ORGANIC COMPOUNDS
GEAE PLANT 2

Compound of Concern		TPH (418.1)	Toluene (8020)	Total Xylenes (8020)
Sample No.	Depth (feet)			
HA1-1A	2-2½	10 U	1.3 U	2.7 U
HA1-2A	4½-5½		2.5	7.0
HA1-2B	4½-5½	10 U		
HA2-1A	1½-2½		1.3	2.5 U
HA2-1B	1½-2½	10 U		
HA2-2A	4½-5½		2.3	5.3
HA2-2B	4½-5½	10 U		
HA3-1A	2-3		2.5	5.6
HA3-2A	5½-6½		1.7	2.9
HA3-1B	2-3	10 U		
HA3-2B	5½-6½	10 U		
PL2-B1-9	9-9½		1.2 U	2.3 U
MTCA Method A Cleanup Level		200	40	20

Notes:

Shading = Not analyzed
TPH = Total Petroleum Hydrocarbons
U = The compound was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.

TABLE G-4

SUMMARY OF SOIL ANALYTICAL RESULTS (1994)
TPH AND VOLATILE ORGANIC COMPOUNDS
GEAE PLANT 2

Compound of Concern		Gasoline		Diesel		Heavy Oil		BTEX (8020) mg/kg	Acetone (8240) mg/kg	Methylene Chloride (8240) mg/kg	4-methyl-2-Pentanone (MIBK) (8240) mg/kg	Halogenated VOCs (8010) mg/kg	1,1,1-TCA (8240) mg/kg	Other VOCs (8240) mg/kg	pH
Sample No.	Depth (ft)	WTPH HCID	WTPH G	WTPH HCID	WTPH D	WTPH HCID	WTPH 418.1								
B2-1AB-1	1						20 U						ND	ND	
B3-1AB-1	1						20 U						ND	ND	
B4-1AB-1	1						16000						ND	ND	
B4-2AB-10	10						19 U								
B5-1AB-1	1						24 U						0.038	ND	
B6-1AB-1	1						20 U						ND	ND	
B7-1AB-1	1						20 U						ND	ND	
B8-1AB-1	1						21 U						ND	ND	
B9-1AB-1	1						25 U						ND	ND	
HA-4-1	1						20 U							ND	
HA-5-1	1						20 U							ND	
HA-6-1	1						320				1.5			ND	
HA-6-4	4						20 U							ND	
HA-7-1	1						20 U						0.0054	ND	
HA-7-2½	2½											ND			
HA-8-1	1						47							ND	
HA-8-3	3						20 U								
HA-9-1	1						48							ND	
HA-9-3	3						24 U								
HA-10-4	4											ND			

TABLE G-4 (CONTINUED)

SUMMARY OF SOIL ANALYTICAL RESULTS (1994)
TPH AND VOLATILE ORGANIC COMPOUNDS
GEAE PLANT 2

Compound of Concern		Gasoline		Diesel		Heavy Oil		BTEX (8020) mg/kg	Acetone (8240) mg/kg	Methylene Chloride (8240) mg/kg	4-methyl-2-Pentanone (MIBK) (8240) mg/kg	Halogenated VOCs (8010) mg/kg	1,1,1-TCA (8240) mg/kg	Other VOCs (8240) mg/kg	pH
Sample No.	Depth (ft)	WTPH HCID	WTPH G	WTPH HCID	WTPH D	WTPH HCID	WTPH 418.1								
HA-11-4	4							ND							
HA-12-1-1	1							50 U						ND	
HA-13-1-1	1							50 U						ND	
HA-14-1-2	2							50 U	0.21					ND	
HA-15-1-1	1							50 U						ND	6.4
HA-16-1-1	1	< 20		< 50		< 100								ND	7.6
HA-17-1-1	1	< 20		< 50		> 100	560		0.15	0.011				ND	8.4
HA-17-2-4	4							10 U							
MTCA Method A Cleanup Level		--	100	--	200	--	200	Var.	8,000[B]	0.5	4,000[B]	Var.	20	Var.	20

Notes:

B = MTCA Method B Cleanup Level
Shading = Not analyzed
U = The compound was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.
Var = Variable cleanup levels
ND = Not detected above analytical detection limits for these compounds.

TABLE G-5

SUMMARY OF SOIL ANALYTICAL RESULTS (1994)
METALS
GEAE PLANT 2

Compound		Arsenic (mg/kg)	Barium (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Lead (mg/kg)	Mercury (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)
Sample No.	Depth (ft)									
B6-1AB-1 (Vapor Degreaser)	1	2.0	59	1.0 U	32	7.5 U	0.022	29	0.25 U	2.5 U
B7-1AB-1 (Summa)	1	2.3	56	1.0 U	25	7.5 U	0.024	24	0.25 U	2.5 U
HA-4-1 (Deburring Area)	1	2.1	64	1.0 U	23	15	0.042	25	0.25 U	2.5 U
HA-7-1 (Clean Room: West)	1	1.7	67	1.0 U	27	7.5 U	0.054	36	0.25 U	2.5 U
HA-8-1 (Clean Room: East)	1	1.8	63	1.0 U	27	11	0.034	26	0.25 U	2.5 U
HA-15-1-1	1	1.6	64	0.50	28	4.1	0.075		0.25 U	0.54
HA-16-1-1	1	18	51	0.45	12	34	0.11		0.25 U	0.45
HA-17-1-1	1	2.4	73	0.70	12	300	0.33		0.28	0.50
HA-17-2-4	4					7.5 U				
MTCA Method A Soil Cleanup Level (mg/kg)		20	--	2.0	100	250	1.0	--	--	--
MTCA Method B Soil Cleanup Level (mg/kg)		--	5600	--	--	--	--	1600	400	240

Notes:

Shading = Not analyzed
J = The associated value is an estimated quantity.
U = The compound was not detected above the level of the associated value.
The associated value is either the sample quantitation limit or the sample detection limit.
Samples analyzed by Methods 6000/7000 Series.

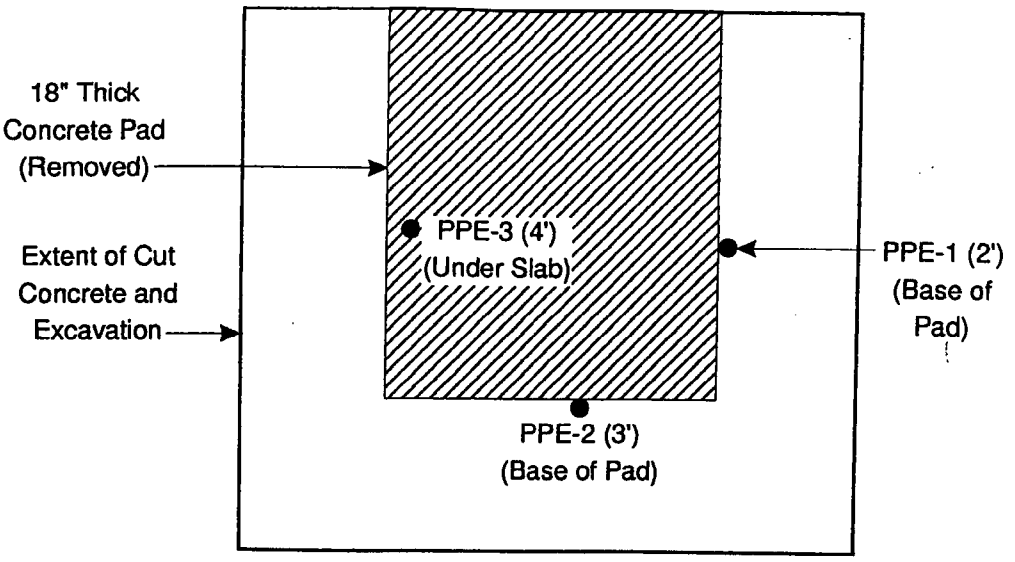
TABLE G-6

SUMMARY OF CLEANUP SOIL ANALYTICAL RESULTS (1994)
POST-EXCAVATION SAMPLES
GEAE PLANT 2

Analytical Method			WTPH-418.1 (mg/kg)
Sample No.	Depth (ft)	Sample Location	
PPE-1	2	Punchpress Area	50 U
PPE-2	3	Punchpress Area	50 U
PPE-3	4	Punchpress Area	50 U
CPE-1	4	Compressor Area	60
CPE-2	2 (Comp.)	Compressor Area	50 U
CPE-3	2 (Comp.)	Compressor Area	50 U
SS-C-1	1	Stockpiled Soil - Compressor Area	120
SS-C-2	2	Stockpiled Soil - Compressor Area	60
SS-P-1	1	Stockpiled Soil - Punchpress Area	6100
MTCA Method A Soil Cleanup Level (mg/kg)			200

U = The compound was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.

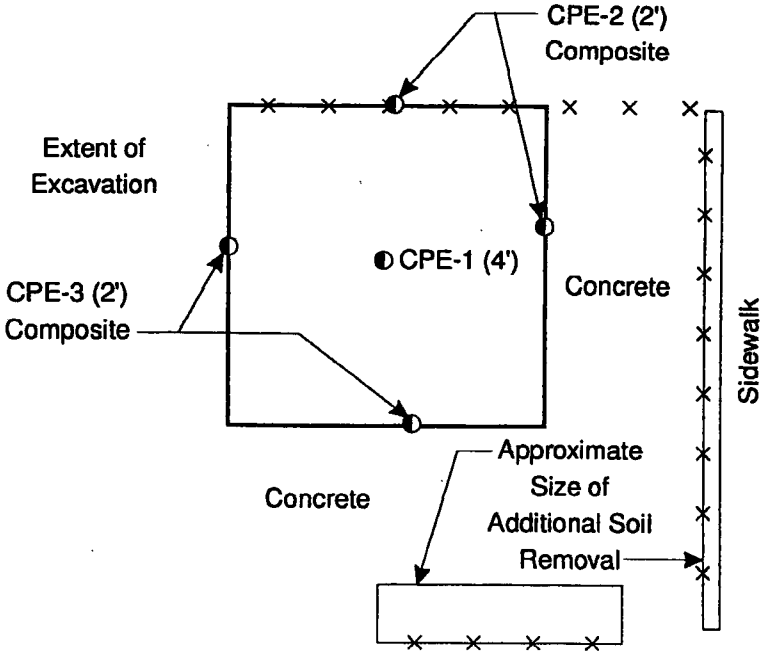
Comp. = Composite sample



Legend:

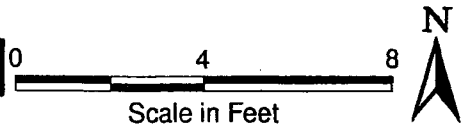
PPE-1 (2') ● Post-excavation soil sample location and depth

SOIL REMOVAL, PUNCH PRESS AREA



Legend:

CPE-1 (4') ◐ Post-excavation soil sample location and depth



SOIL REMOVAL, COMPRESSOR AREA

Job No. 01674-991-005
DAMES & MOORE

Plant 2 - 637 South Lucile Street
General Electric Company
FIGURE 7

LUC000342

K

ATTACHMENT K

ASBESTOS ASSESSMENT
GENERAL ELECTRIC AIRCRAFT ENGINES - PLANT 2
SEATTLE, WASHINGTON

1.0 INTRODUCTION

This report presents the results of the asbestos assessment conducted by Dames & Moore at the General Electric Aircraft Engines (GEAE), Plant 2 located at 637 South Lucille in Seattle, Washington. The purpose of this assessment was to identify, locate, and assess the condition of asbestos-containing building materials (ACBM) within the building area. Samples were not collected of exterior building materials, or the roof.

This report was prepared based on information obtained during a site visit conducted April 14, 1994, review of available architectural drawings of the building, the laboratory results of bulk samples of suspect building materials collected during the site visit, and on information regarding remodeling activities provided by Mr. Steve Wix, Manager - Environmental Health & Safety.

2.0 PURPOSE AND SCOPE OF SERVICES

The scope of services proposed and performed included the following:

- Review of available building plans and previous asbestos sampling reports;
- Perform an asbestos assessment including collection of bulk samples of accessible building materials, and quantification of materials confirmed to contain asbestos;
- Visually assess suspected asbestos-containing materials to determine physical condition, friability, and potential for damage; and
- Prepare this site assessment report including recommendations for asbestos abatement actions.

Friable material is defined by the U.S. EPA to mean material that, when dry, can be easily pulverized, crushed, or reduced to powder by hand pressure. As the friability of a material increases, the risk of accidental disturbance of the material increases. Disturbance of friable or non-friable materials by such activities as demolition, renovation, sanding, sawing, drilling, breaking, etc. could cause a release of asbestos fibers with potential adverse health effects for building occupants.

3.0 METHODOLOGY

All persons participating in asbestos inspections have received training as detailed in the Asbestos Hazard Emergency Response Act (AHERA), 29 CFR Part 763 and are accredited asbestos building inspectors. Recommendations were prepared and reviewed by AHERA accredited asbestos management planners.

Sample locations for this survey were chosen in a non-random fashion, with emphasis being placed on obtaining samples of each type of accessible, suspect material, and minimizing damage to the material being sampled. Samples were collected on April 14, 1994 by carefully removing small portions of the suspect material in a non-abrasive manner. If possible, samples from existing damaged areas or loose pieces of material were collected. Immediately after collection, samples were placed in pre-labeled plastic containers. Data pertinent to each sample such as date, sample number, material description, and material condition was recorded on a field data sheet. Sample containers were then placed in a large resealable plastic bag for transportation to the laboratory.

Asbestos bulk samples were sent under appropriate chain-of-custody procedures by courier to Prezant Associates, Inc. in Seattle, Washington for analysis. The samples were analyzed using polarized light microscopy/dispersion staining techniques in accordance with U.S EPA Method 600/M4-82-020. Detection limits for this type of analysis are approximately one percent. Materials containing one percent asbestos or more are considered to be asbestos-containing materials. Prezant Associates, Inc. participates in the National Voluntary Laboratory Accreditation Program (NVLAP) for quality control procedures.

Detailed descriptions of materials sampled are provided in the Asbestos Bulk Sampling Data Sheets following this text. Asbestos bulk sample results are summarized in Table U-1. A Budgetary Asbestos Abatement Cost Estimate in included in Table U-2. Bulk sample locations are presented in Figure U-1. Asbestos laboratory analysis reports and Chain-of-Custody documentation are also attached.

4.0 RESULTS OF INVESTIGATION

A total of twenty-nine (29) samples of building materials suspected to contain asbestos were collected in the building. Materials reported to contain asbestos were wallboard joint compound, four types of vinyl floor tile, floor tile mastic, and one type of vinyl sheet flooring (VSF). The asphaltic roofing is assumed to contain asbestos. Asbestos was not detected in four types of acoustical ceiling tiles, or five types of vinyl floor tile/mastic.

The building was reportedly constructed in the mid-1960's, and has undergone several renovations between 1983 and 1992. This survey focused to the extent possible on the original building materials. Where the installation date of a particular material was not easily determined, or was unknown, it was considered to be suspect, and included in this assessment.

4.1 BUILDING EXTERIOR

The building is constructed of concrete tilt-up exterior walls with a concrete slab-on-grade floor. An aluminum storefront curtain wall is present at the main building entrance in the northwest corner of the building. The window sealant is rubberized caulking. Exterior awnings are arched and are constructed of metal.

The roof structure consists of wood, glued-laminated beams with wood sheathing. The roof is flat and is finished with built-up asphaltic roofing material. Asphaltic roofing materials commonly contain asbestos and should be assumed to contain asbestos until bulk samples are collected and reported otherwise. Roofing materials are typically considered non-friable unless they become damaged, and may be exempt from certain regulatory removal requirements. At the time of this site assessment, the roof had recently been treated with the application of a silver paint/mesh coating to the entire roof surface and roof fixtures such as vents, HVAC pads, etc. The roof appeared to be in good condition, and would be considered non-friable.

4.2 WALL AND CEILING FINISHES

The interior walls are finished with gypsum drywall. As stated above, this survey attempted to focus on the original building construction materials (pre-1985). Due to the similar composition of the new and old drywall materials, and the limited documentation available regarding the locations of original and new walls, Dames & Moore relied on verbal information provided by Mr. Steve Wix, who was involved with many of the renovation activities. Building areas determined to be original (pre-1985) construction include the main east-west demising wall, the north offices and mezzanine, the east maintenance areas and mezzanine, and the majority of the SW building corner including the SW restroom/lunchroom/conference area and the receiving/inspection areas. More recent modifications have been conducted in some of these areas, as well as throughout the remainder of the building. The specific locations of original and newer materials may vary somewhat from those identified in the survey.

Eight samples of the gypsum drywall and joint compound were collected from various locations throughout the building. Three percent chrysotile asbestos was detected in the joint compound layer in one of the samples, collected in the east mezzanine offices (2nd level). The total asbestos percentage of the drywall and joint compound as a composite material was reported to be two percent (by volume). According to current regulations, materials containing one percent asbestos or greater (by weight) must be considered asbestos-containing materials and handled accordingly. As a result, the gypsum and joint compound materials present on pre-1985 construction should be treated as ACBM unless gravimetric analysis of the materials is performed to determine that the asbestos percentage by weight is less than one percent.

The existing wall finishes were observed to be in fair to good condition, and are considered non-friable unless they become damaged. Wallboard is also present on the ceilings in various areas throughout the building, including several offices, maintenance areas, restrooms, lunchroom, copy room, and the Calibration Lab.

Other wall finishes identified in the facility include plywood, masonite/pegboard, vinyl-coated pressboard (modular offices), and wood paneling. These materials are not suspected to contain asbestos and were not sampled. Walls in the offices are insulated with fiberglass batt insulation, which is not suspected to contain asbestos.

Three types of 2'x4' suspended ceiling tiles and one type of 12"x12" glue-applied ceiling tiles were identified at the facility as follows:

Ceiling Tile Type	Location
2'x4' (med. fissures)	Typical throughout offices, DCC, NE Production Area, and Engine Controls
2'x4' (pinholes/fissures)	North Mezzanine Women's Restroom
2'x4' (deep fissures, old)	Main Stairwells (North)
12"x12" (smooth/pinholes)	SW Conference Room

Samples of each type of identified ceiling tiles were collected and asbestos was not detected in any of the ceiling tile samples. Asbestos was not detected in the glue associated with the 12"x12" ceiling tiles.

Additional ceiling finishes identified in the building which were not suspected to contain asbestos include open "egg-crate" ceiling panels in the NW Production area, unfinished concrete in the Hazardous Waste Storage Room, fiberglass ceiling tiles in the modular office area, and masonite in the receiving/inspection area. The main warehouse and production areas are open to the wood roof structure.

A small amount of silver foil reflective insulation was present in the east portion of the warehouse. Mr. Wix reported that this foil insulation had been present throughout the facility at one time, but was removed several years ago by the building owner (Benaroya). Visual assessment of the remaining foil material indicated that no suspect insulation materials were present above the foil material.

4.3 FLOORING MATERIALS

The floors are constructed of concrete-slab-on grade on the main level, and plywood sheathing on the second floor areas. The main production areas are exposed, unfinished concrete. Carpet in present over the concrete throughout the office areas. Cream and blue floor tiles in the NW Production area, white tiles in portions of the Engine Controls area, and off-white floor tiles in the lunchroom were reportedly installed in 1992, and were not suspected to contain asbestos.

Several types of suspect 12"x12" vinyl floor tiles (VFT) and one type of vinyl sheet flooring (VSF), were identified in the building. The type, location, and analytical results for the various types of flooring materials sampled are summarized below:

Flooring Material Type	Location	Asbestos Content
VSF (cream/tan)	SW Women's RR	70% (backing)
VFT (cream/tan)	East Mezzanine Offices/Storage	3% (tile)
VFT (white speckled)	SW Conference Room	ND
VFT (white/gray)	SE Men's RR, NE Production Room, N. Men's RR, Engine Controls	ND
VFT (white/dk. gray)	Copy Room (two layers), Calibration Lab, Engine Controls	ND
VFT (dark brown)	Stairwell Landings (North)	3% (tile), 10% (mastic)
VFT (yellow/olive)	North Mezzanine Corridor/Restrooms	3% (tile)
VFT (light tan)	Computer Room (N. Mezz)	3% (tile)
VFT (white)	Center Office Mezz.	ND
VFT (off-white)	Center Office/Stairwell	ND

The flooring materials were observed to be in fair to good condition throughout the facility with the exception of localized damage to the vinyl tiles in areas of high traffic and/or impact areas. In addition, the yellow floor tiles in the north mezzanine corridor were moderately damaged, and were significantly damaged in the adjacent women's restroom. The damaged floor tiles may be considered friable. The remaining, undamaged floor tiles are considered non-friable. Asbestos reported in the VSF is present in a layer of friable paper backing on the underside of the material. The VSF is considered non-friable provided the vinyl surfacing remains intact.

4.4 MECHANICAL SYSTEMS

The building is heated by roof-mounted gas-fired HVAC units, and gas space heaters. Supplemental baseboard heating is present in some areas. Ducts associated with the heating system are insulated with foil wrapped fiberglass/foam insulation which is not suspected to contain asbestos. Piping associated with the domestic water system was insulated with foam rubber insulation in some locations, but was primarily uninsulated.

7.0 REFERENCES

Code of Federal Regulations (CFR), Title 40, Part 61, National Emission Standards for Hazardous Air Pollutants; Asbestos (NESHAPS), November 20, 1990:

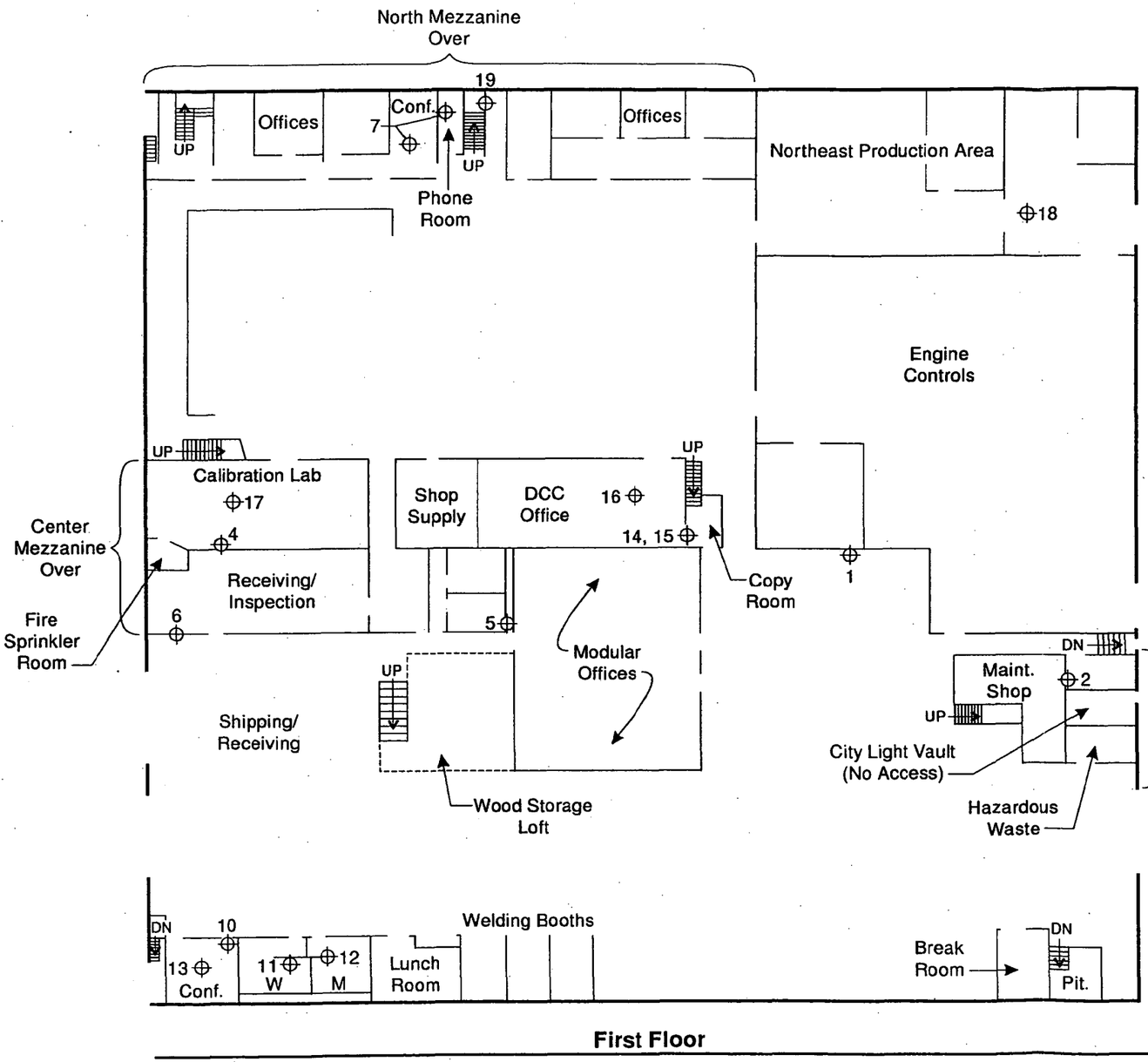
Code of Federal Regulations (CFR), Title 40, Part 763, Asbestos Hazard Emergency Response Act (AHERA).

Code of Federal Regulations (CFR), Title 29, Parts 1910 and 1926, Occupational Exposure to Asbestos, Tremolite, Anthophyllite and Actinolite, as amended by Code of Federal Regulations (Vol. 51, #119), June 20, 1986.

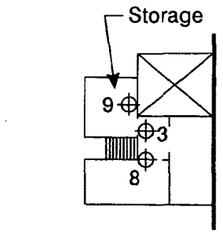
Puget Sound Air Pollution Control Agency (PSAPCA), Regulation III, Asbestos Control Standards, effective 8/14/93.

Washington Administrative Code (WAC), Washington Industrial Safety and Health Act (WISHA), Standard for Exposure to Asbestos: WAC 296-62-07517 and WAC 296-62-077 Asbestos, Tremolite, Anthophyllite, and Actinolite.

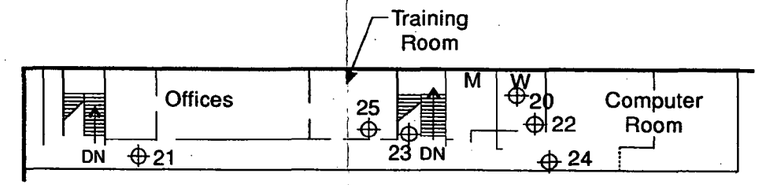
Washington Administrative Code (WAC), WISHA Standard for Asbestos Removal and Encapsulation: WAC 296-65-001 through 045.



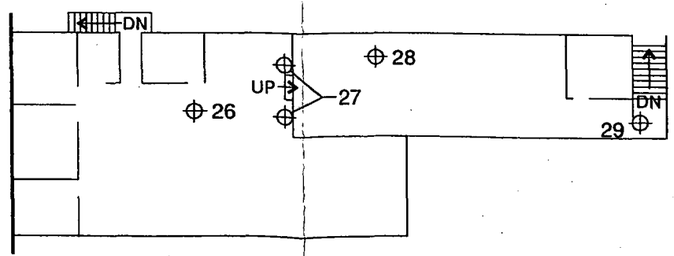
First Floor



East Mezzanine



North Mezzanine



Center Mezzanine

N

LEGEND:

⊕ Asbestos bulk sample location

0 30 60

Approximate Scale in Feet

ASBESTOS SAMPLING LOCATIONS

Plant 2 - 637 South Lucille
General Electric Company
FIGURE U-1

Job No. 01674-991-005

DAMES & MOORE

01674_45.CDR

LUC00351

TABLE U-1

BULK SAMPLE ANALYSIS RESULTS

SAMPLE NUMBER	MATERIAL DESCRIPTION	SAMPLE LOCATION	ANALYTICAL RESULTS	APPROXIMATE QUANTITY
GE2-01	Gypsum Wallboard & Joint Compound	Demising Wall (1st floor)	None Detected	n/a
GE2-02	Gypsum Wallboard & Joint Compound	Electrical Room (1st floor)	None Detected	n/a
GE2-03	Gypsum Wallboard & Joint Compound	East Offices (2nd floor)	3% Chrysotile (joint compound) 2% Total	49,500 SF
GE2-04	Gypsum Wallboard & Joint Compound	Calibration Lab (1st floor)	None Detected	n/a
GE2-05	Gypsum Wallboard & Joint Compound	Room 123 (1st floor)	None Detected	n/a
GE2-06	Gypsum Wallboard & Joint Compound	Receiving/Inspection Area (1st floor)	None Detected	n/a
GE2-07	Gypsum Wallboard & Joint Compound	Phone Room/Conference (1st floor)	None Detected	n/a
GE2-08	12"x12" Floor Tile (cream/tan w/black mastic)	East Offices, Hall/Stairs (2nd floor)	3% Chrysotile (tile)	500 SF
GE2-09	12"x12" Floor Tile (cream/tan w/black mastic)	East Offices, Storage (2nd floor)	3% Chrysotile (tile)	(included in GE2-08)
GE2-10	12"x12" Floor Tile (white speckled w/clear mastic)	SW Conf. Room (1st floor)	None Detected	n/a
GE2-11	Vinyl Sheet Flooring (cream/tan pebbled)	SW Women's RR (1st floor)	70% Chrysotile (backing)	240 SF
GE2-12	12"x12" Floor Tile (white/gray w/yellow mastic)	SW Men's RR (1st floor)	None Detected	n/a
GE2-13	12"x12" Ceiling Tile (smooth/pinholes w/brown glue)	SW Conf. Room (1st floor)	None Detected	n/a
GE2-14	12"x12" Floor Tile (white/dk. gray w/yellow mastic)	Copy Room (top layer) (1st floor)	None Detected	n/a
GE2-15	12"x12" Floor Tile (white/dk. gray w/yellow mastic)	Copy Room (2nd layer) (1st floor)	None Detected	n/a
GE2-16	2'x4' Ceiling Tile (med. fissures)	DCC Office (1st floor)	None Detected	n/a
GE2-17	12"x12" Floor Tile (white/dk. gray w/yellow mastic)	Calibration Lab (1st floor)	None Detected	n/a
GE2-18	12"x12" Floor Tile (white/gray w/yellow mastic)	NE Production Room (1st floor)	None Detected	n/a

TABLE U-1 (CONTINUED)

BULK SAMPLE ANALYSIS RESULTS

SAMPLE NUMBER	MATERIAL DESCRIPTION	SAMPLE LOCATION	ANALYTICAL RESULTS	APPROXIMATE QUANTITY
GE2-01	Gypsum Wallboard & Joint Compound	Demising Wall (1st floor)	None Detected	n/a
GE2-19	12"x12" Floor Tile (dark brown w/black mastic)	Stairwell @ Landing (N. Center)	3% Chrysotile (tile) 10% Chrysotile (mastic)	100 SF
GE2-20	12"x12" Floor Tile (yellow/olive w/black mastic)	Women's RR (2nd floor)	3% Chrysotile (tile)	1000 SF
GE2-21	12"x12" Floor Tile (yellow/olive w/black mastic)	W Corridor (2nd floor)	3% Chrysotile (tile)	(included in GE2-20)
GE2-22	2'x4' Ceiling Tile (pinholes/fissures)	Women's RR (2nd floor)	None Detected	n/a
GE2-23	2'x4' Ceiling Tile (deep fissures)	Stairwell (central)	None Detected	n/a
GE2-24	Floor Tile (light tan w/black mastic)	Computer Room (2nd floor)	3% Chrysotile (tile)	420 SF
GE2-25	2'x4' Ceiling Tile (med. fissures)	Training Room (2nd floor)	None Detected	n/a
GE2-26	2'x4' Ceiling Tile (med. fissures)	Center Office Area (2nd floor)	None Detected	n/a
GE2-27	Gypsum Wallboard & Joint Compound	Center Office Area (2nd floor)	None Detected	n/a
GE2-28	12"x12" Floor Tile (white w/black mastic)	Center Office Area (2nd floor)	None Detected	n/a
GE2-29	12"x12" Floor Tile (off-white/tan w/black mastic)	Center Office Area (2nd floor)	None Detected	n/a